



**CITY COUNCIL WORKSHOP MEETING AGENDA**  
**Friday, January 27, 2017, 1:00 PM**  
**Lacamas Lake Lodge, 227 NE Lake Road**

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**ANNUAL PLANNING CONFERENCE - Day 1 of 2**

**I. OPENING STATEMENT (1:00 p.m.)**

**II. PLANNING CONFERENCE TOPICS**

**A. Strategic Plan Kickoff (1:15 p.m.)**

Details: This presentation is the kickoff for the Strategic Planning process that will take place over the next six months. The purpose of this session is to explain the process and begin to get direction from Council. In the future, there will be one-on-one meetings with Council Members and meetings with staff and community focus groups. The team will report back to Council periodically at Workshops during the next six months.

Presenter: Holly Valkama, Principal, and Rob Fenty, Principal, both with 1961 Consulting LLC

Recommended Action: This item is for Council's information only.

 [Strategic Plan Kickoff](#)

**III. BREAK (2:30 p.m.)**

**A. Fallen Leaf Lake Master Plan (2:45 p.m.)**

Details: The Fallen Leaf Lake Master Plan will help guide the City to improve public access while preserving its natural environment.

Presenter: Jerry Acheson, Parks & Recreation Manager

Recommended Action: Staff seeks Council's endorsement of the plan.

 [Fallen Leaf Lake Master Plan](#)

[Fallen Leaf Lake Master Plan Presentation](#)

**B. North Shore Lacamas Lake Visioning Plan (3:07 p.m.)**

Details: The North Shore Lacamas Lake Visioning Plan is intended to serve as a conceptual framework to guide future conservation and recreation planning efforts for the North Shore area of Lacamas Lake.

Presenter: Jerry Acheson, Parks & Recreation Manager

Recommended Action: Staff seeks Council's endorsement of the plan.

 [North Shore Lacamas Lake Visioning Plan](#)

[North Shore Lacamas Lake Visioning Presentation](#)

**C. Community Development Work Plan (3:30 p.m.)**

Details: Community Development Department presentation on work plan, growth update, and priorities for 2017-18.

Presenter: Phil Bourquin, Community Development Director

Recommended Action: This item is for Council's information only.

 [2017 Community Development Update](#)

- D. Camas Public Library Update (4:00 p.m.)  
Details: Staff will provide an update to include the Library Director's first six months as the Department Head. The presentation will include an overview of initial observations, what the Library has been working on, what's next for 2017, and possibilities for the future. The Library Board of Trustees will also be on hand for a question and answers segment following the presentation.  
Presenter: Connie Urquhart, Library Director  
Recommended Action: This item is for Council's information only.

 [Library Planning Conference 2017](#)

#### **IV. PUBLIC COMMENTS (4:55 p.m.)**

#### **V. SCHOOL BOARD JOINT MEETING AND DINNER (5:00 p.m.)**

- A. Camas School District Projects Update  
Details: School District staff will update the Council and Board of the current School District projects.  
Presenter: Heidi Rosenberg, Camas School District's Capital Programs Director  
Recommended Action: This is for Council and School Boards Information only.
- B. North Shore Sewer and Water Transmission System Project Update (5:45 p.m.)  
Details: City staff, with support from the OTAK and CH2M consultant teams, are nearing design completion on the North Shore Sewer Transmission System Project and anticipate advertising for bids in February 2017. The project includes three sewer pump stations, approximately 4.5 miles of sewer transmission piping and will include a new pedestrian bridge over the Lacamas Lake/Round Lake Channel. In partnership with the Camas School District, the project will also include approximately 2.3 miles of water transmission main to serve the new Lacamas Heights Elementary School. Staff will provide a brief update on the project, primarily focusing on the construction sequencing and impacts to traffic throughout the duration of the year-long project.  
Presenter: Steve Wall, Public Works Director  
Recommended Action: This is for Council and School Boards Information only.

 [North Shore Project Update - Council Retreat Final](#)

- C. Merging Recreation Programs (6:00 p.m.)  
Details: Staff will provide a brief report regarding the status of merging City of Camas Recreation Programs into Community Education.  
Presenter: Pete Capell, City Administrator; Jerry Acheson, Parks & Recreation Manager; and Mary Weishaar, Camas Community Education Director  
Recommended Action: This is for Council and School Boards Information only.

#### **VI. ADJOURNMENT OF PLANNING CONFERENCE (6:30 p.m.)**

NOTE: The City welcomes participation of its citizens in the public meeting process. Effort will be made to ensure anyone with special needs can participate. For more information call 360.834.6864.



# STRATEGIC PLAN

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## Mission Statement:

“The City of Camas commits to preserving its heritage, sustaining and enhancing a high quality of life for all its citizens and developing the community to meet the challenges of the future.

We take pride in preserving a healthful environment while promoting economic growth.

We encourage citizens to participate in government and community, assisting the City in its efforts to provide quality services consistent with their desires and needs.”

Camas is a great place to  
**LIVE, WORK, LEARN and PLAY.**

616 NE FOURTH AVENUE  
CAMAS, WASHINGTON 98607

# The Camas WAY

The City of Camas is not separate from the community of Camas. We are a fundamental part of our community. This section highlights what we, the City, do to honor and reinforce that relationship.

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## OBJECTIVES

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- Provide excellent public service to our community.
- Be genuinely responsive to the needs of community members.
- Maintain an exceptionally straightforward permitting process and support applicants in being successful.
- Foster a sense of belonging and community continuity that is valued by residents and encourages them to stay in or return to Camas as their hometown. Go over and above what is expected.

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## STRATEGIES

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- Define “The Camas Way”.
- Ensure staff provides positive, effective public service.
- Provide citizens with a direct, easy way to communicate concerns and requests.
- Ensure responses to citizens are timely and helpful.



# Camas is a great place to LIVE

The special quality of life in Camas is supported by all aspects of this strategic plan. This section specifically addresses the aspects, such as community life and safety, which are not directly addressed in the Work, Learn and Play goals.

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## OBJECTIVES

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- Maintain the strong sense of community and belonging.
- Ensure residents can live with confidence in their safety and security.
- Strengthen the downtown's role as the heart of the community and a wonderful destination.
- Celebrate and promote community identity.
- Strategies Create inviting community gateways.
- Police strategy?
- Fire strategy?
- Hold flagship events that are unique to Camas and are supported and enjoyed by the community.
- Improve knowledge of and access to the City's public spaces.
- Support strategic downtown development.
- Create more housing choice in proximity to employment areas.

# Camas is a great place to WORK

Availability of family-wage jobs and positive work environments are key to the livability of Camas. This section recognizes that the City of Camas has two roles in supporting this goal. One is external: to promote the development of good jobs in the broader community. The other is internal: to ensure the City is a responsible employer.

## SUPPORTING EMPLOYERS

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### OBJECTIVES

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- Continue to attract employers who provide good family-wage jobs.
- Service existing employers.
- Invest in infrastructure.
- Continue to improve processes for applicants, helping them be successful – “Get to Yes”.
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- Strategies Streamline the permitting and building inspection process.
- Ensure that City services meet employers’ needs.
- Align planning documents with economic development priorities.
- Be strategic in planning capital improvements.

# BEING A GOOD EMPLOYER

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## OBJECTIVES

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- Provide more training opportunities for employees.
- Improve open communication with employees and increase collaboration in decision making at all employee levels and across departments.
- Continue current and establish new employee appreciation and recognition opportunities.
- Encourage volunteer support to supplement the City workforce.
- Strategies Develop City-wide volunteer program.
- Ensure salaries and benefits provided by the City are competitive and comparable to those of other jurisdictions.
- Develop and implement a formal employee training program.
- Maintain regular communication with employee unions.
- Define and streamline departmental expectations and procedures. Improve communication and collaboration between City departments. Regularly recognize employees for exceptional work. Ensure that budgets match expected levels of service.

# Camas is a great place to LEARN

This section outlines how the City of Camas can support life-long learning.

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## OBJECTIVES

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- Provide exceptional educational opportunities and facilities for all types and levels of students.
- Maintain and expand our first-class public library for the Camas community.
- Improve public technologies and accessibility.
- Promote a safe social media environment.
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- Strategies Develop shared learning facilities, programs and resources.
- Improve and expand shared internet/Wi-Fi services and fiber connectivity.
- Encourage City staff to act as mentors.
- Provide educational opportunities through shared recreation programs, community education services and resources.
- Establish an online community portal that allows community members to reserve/register for City services. Collaborate and consolidate a joint online reservation/registration community site.
- Provide internship opportunities for community members.
- Take advantage of community gathering places as opportunities to inform and educate the community about new issues and activities.



# Camas is a great place to PLAY

The trails, parks, sports fields and access to water in Camas are a fundamental part of the city's identity, and are key to this community's exceptional quality of life. This section outlines how the City will care for and provide opportunities to enjoy these resources.

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## OBJECTIVES

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- Support the health and well-being of our citizens and build community spirit by providing quality parks, open space, trail systems, recreation programs and facilities that are inviting and encourage use by Camas' residents, visitors and employees.
- Ensure that Camas continues to thrive, attracting new family-wage jobs and investment by current business due to the quality of life provided by its parks, recreation resources, and open spaces.
- Administer and maintain the parks and recreation system in an efficient and cost-effective manner.
- Strategies Ensure that budgets prioritize preservation and maintenance of existing parks.
- Establish an adequate and sustainable funding model for creation of and maintenance of parks and recreation programs.
- Expand and coordinate programs and maintenance activities between departments.
- Provide technology solutions that allow community members to take advantage of recreational opportunities and facilities. Ensure that pool facilities meet community needs and are sustainably funded.
- Increase public awareness of the City parks and trails network.
- Coordinate schedules and needs of facilities across all user groups.
- Look for strategic property acquisition opportunities.

The City is **EQUIPPED** to meet these goals in  
an **EFFICIENT** and  
**COST-EFFECTIVE** Manner

The manner and means by which people communicate has changed radically over the last decade, and the advances in technology have created more efficient and effective tools and systems available for operations and services. This section outlines what the City can do to apply these tools as we work to achieve the goals described in this plan.

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OBJECTIVES

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- Provide employees with the technology, tools and training to efficiently and effectively do their work.
- Use technology to streamline City services and allow community members to self-serve when possible.
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- Strategies Integrate and improve processes and the use of technology across departments.
- Enhance and support core systems and core applications to add efficiencies, accessibility and transparency.
- Take advantage of mobile technologies.
- Provide and promote web-based services.
- Continually improve and reinvest in the City's technology assets.
- Support ongoing development of the City's website.

# TURNING OVER A NEW LEAF



## FALLEN LEAF LAKE MASTER PLAN

The project includes improved vehicle access, increased day-use parking, upgrades to existing trails, elevated boardwalks, and a new overwater lookout with a boat launch for hand-carried boats.

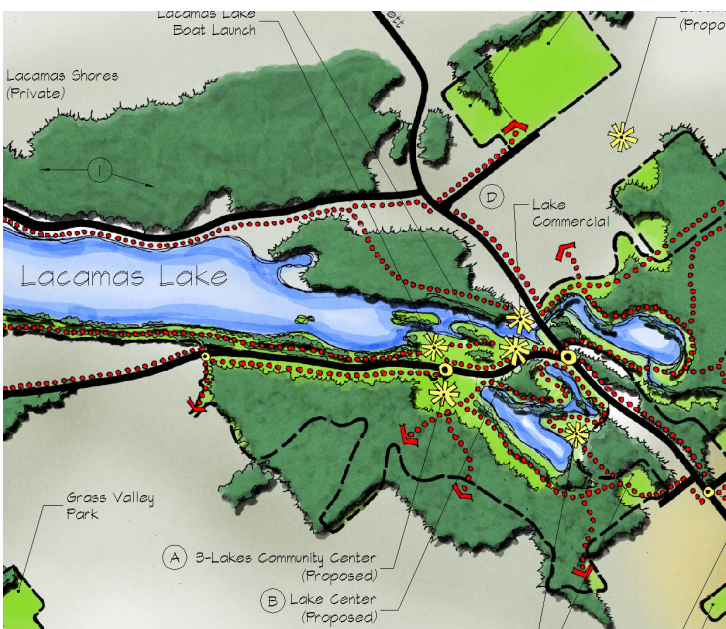


**TURNING OVER A NEW LEAF  
AT FALLEN LEAF LAKE PARK**

Consisting of shoreline, forest, and wetlands, the serenity of Fallen Leaf Lake Park is treasured by local residents and area visitors alike. One of three interconnected lakes known as the Lacamas Corridor, the park is natural habitat to many forms of wildlife, including bald eagles, geese, herons, ducks, and other waterfowl. Aside from observing the wildlife, park visitors also use this recreational area for hiking, kayaking/canoeing, mountain biking, and group picnics at the rental facility.

### Purpose

The City intends to improve Fallen Leaf Lake while preserving the serenity that is its special attribute. Master planning is underway to improve pedestrian access and vehicular circulation to, and throughout, the park. Design concepts include upgrades to the existing park facilities that incorporate new opportunities for recreation and waterfront access for everyone. In addition to improved pedestrian and vehicular access, the project will upgrade existing trails, install elevated boardwalks and a new overwater lookout with a boat launch for hand-carried boats, and increase day-use parking. The master plan will identify a lake loop trail system to help separate day-use activities from private rentals, including improving the access between adjacent neighborhoods and park trails.



### Connections

The proposed trail will help connect the community with some of the region's most loved recreational areas. The adjacent parks and lakes in Camas are stitched together with a network of multimodal trails. The site improvements at Fallen Leaf Lake will tie directly into the Lacamas and Round lake trails and from there, into a regional trail network. The plan provides a much-needed pedestrian crossing over NW Lake Road just north of the lake. This new crossing will give walkers and bicyclists direct access to the Lacamas Heritage Trail running along the west side of Lacamas Lake. The trail improvements at Fallen Leaf Lake Park will tie into neighborhoods both west and south of the site; the proximity of the park and the lake to Camas elementary and high schools make them an attractive opportunity for ecological, biological, and physical education.

A lake loop trail system will help separate day-use activities from private rentals and improve access between trails.

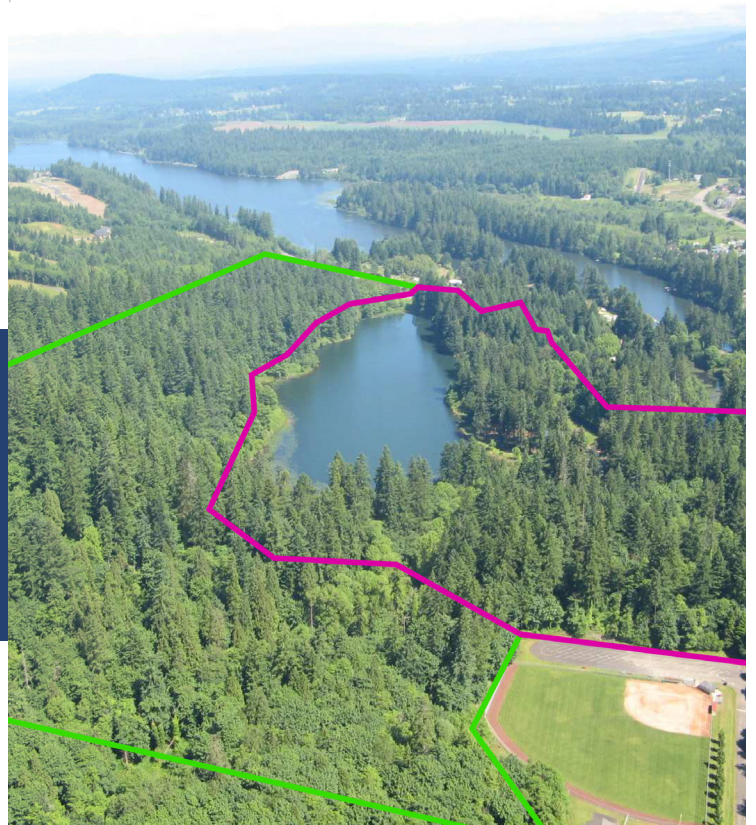
# THE MASTER PLAN

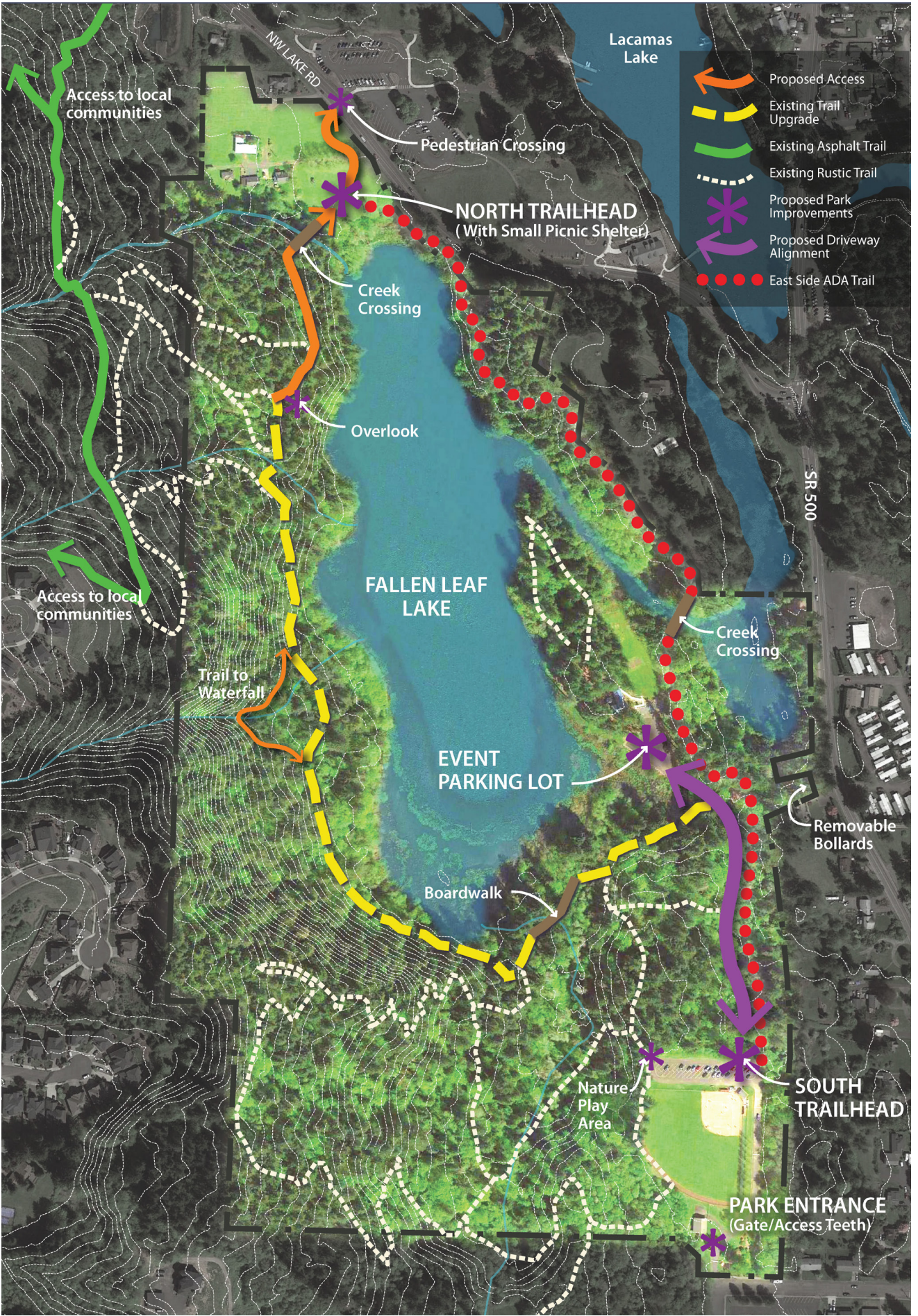
The City of Camas is preparing the master plan with assistance from local firm BergerABAM. The project team used previous studies and surveys, GIS data, and information gathered during site visits to analyze the visible features of the site and conditions on the ground such as shoreline elements, significant vegetation, topographic elements, structures, view corridors, etc. The planning process confirmed the site improvements, alignment, and trail structures proposed by the City.








The City's Parks and Recreation Commission, the public, and City staff reviewed the design concepts for the park. These included two different layouts of site features like parking areas, entry drives, water access, and fully accessible trails. The public was invited to an open house to discuss and comment on the proposed concepts, the design, and its elements. Based on public comments, the Parks & Recreation Commission and the City decided on an approach that is a hybrid of design combining elements from each of the concepts. The preferred alternative preserves the site's tranquility and rustic character and adds improved site features.

The master plan and project graphics are intended to promote improvements at Fallen Leaf Lake. They will be used in grant applications and as the City seeks additional funding. The project has been split into four phased tasks. A summary of the project phases is provided on the following pages.

Site improvements will connect the community to Lacamas and Round Lake trails –and from there, into a regional trail network.





-  Proposed Access
-  Existing Trail Upgrade
-  Existing Asphalt Trail
-  Existing Rustic Trail
-  Proposed Park Improvements
-  Proposed Driveway Alignment
-  East Side ADA Trail

Access to local communities

NW LAKE RD

Lacamas Lake

Pedestrian Crossing

**NORTH TRAILHEAD**  
(With Small Picnic Shelter)

Creek Crossing

Overlook

Access to local communities

**FALLEN LEAF LAKE**

Trail to Waterfall

**EVENT PARKING LOT**

Creek Crossing

Boardwalk

SR 500

Removable Bollards

Nature Play Area

**SOUTH TRAILHEAD**

**PARK ENTRANCE**  
(Gate/Access Teeth)

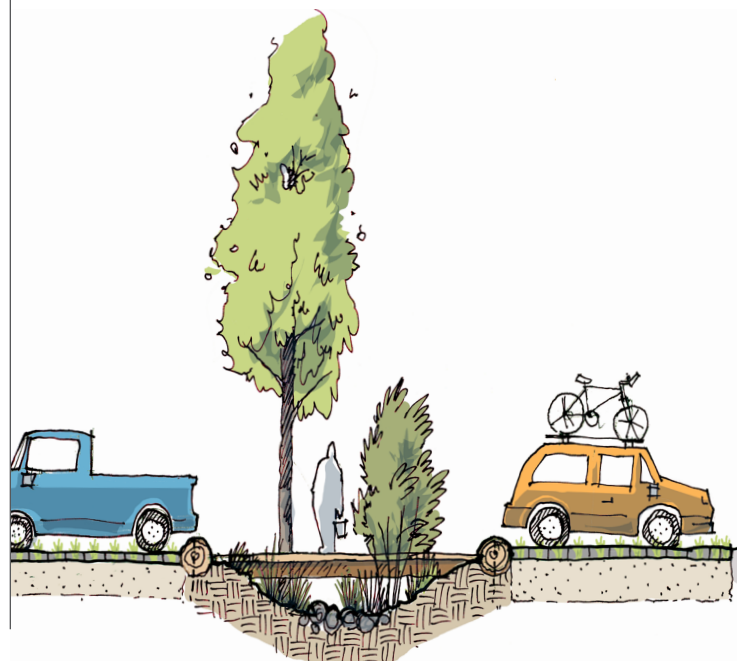


## Phase 1 includes a new park entry, driveway, and improved day-use area.

The existing access to Fallen Leaf Lake is off Everett Road (SR 500), and the City intends to relocate it to NE 23rd Avenue for safer access and to eliminate the turns from SR 500 that slow traffic. Visitors coming from NE 23rd Avenue to the lake use the entrance to the Fallen Leaf Lake ballfield, which is upgraded with a self-closing gate, traffic teeth, and an entry sign. Parking is expanded to include 17 new spaces for day-use activities and overflow for rental users. Trailhead improvements include a trailhead plaza with seating, an informational kiosk, and a natural play area.

An old roadbed is developed as a new driveway to the picnic shelter and day-use parking area. The driveway, which meanders to encourage drivers to slow down, is aligned to minimize tree removal. At its narrowest, the driveway is 16 feet wide with gravel pull-offs so vehicles can pass each other more comfortably. Improvements to the existing parking area include boulder barriers to protect the shoreline and bioswales that define parking spaces as well as treating stormwater.

This phase also includes reconfiguring and paving the existing day-use parking as a loop with 13 parking spaces. The entrance off NW Lake Road will be closed to vehicular traffic except for emergency/maintenance use.







FALLEN LEAF LAKE

COVERED PICNIC TABLES (TYP)

EXISTING PICNIC SHELTER

BOULDER VEHICLE BARRIER  
TO PROTECT SHORELINE

SURVEYED WATERLINE

GRAVEL PARKING

STORMWATER AREAS

EAST TRAIL LOOP: 6' WIDE ACCESSIBLE TRAIL

EMERGENCY ACCESS ONLY  
REMOVABLE BOLLARDS

EXISTING ENTRY DRIVE

GATE

CAMP HOST

STORMWATER AREA

DAY-USE PARKING

PROPERTY LINE

BOARDWALK

IMPROVED  
RUSTIC TRAIL

6' WIDE  
ACCESSIBLE  
TRAIL

IMPROVED  
RUSTIC TRAIL

GRAVEL PULL OFF AREAS (TYP)

ASPHALT ENTRY DRIVE

ADDITIONAL PARKING

NATURAL PLAY AREA

EXISTING TRAIL  
TO REMAIN (TYP)

TRAIL HEAD PLAZA

SIDEWALK

ADDITIONAL  
PARKING

EXISTING BASEBALL FIELD

EXISTING DRIVEWAY

TRAFFIC TEETH

SELF CLOSING GATE

ENTRY SIGN

NE 23RD AVE

NE BIRCH ST

NW EVERETT ST

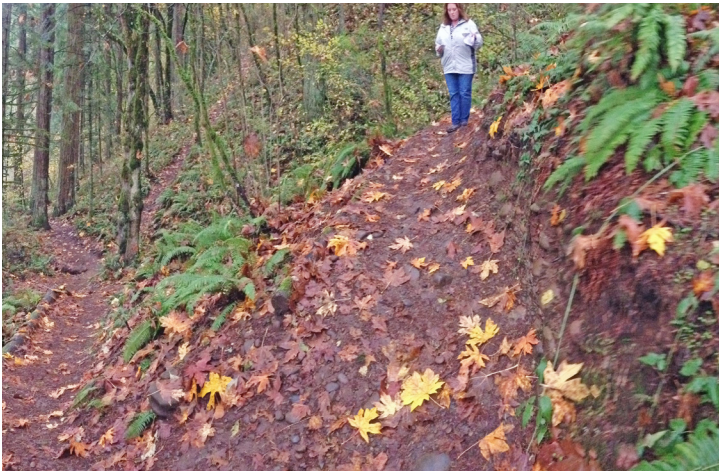
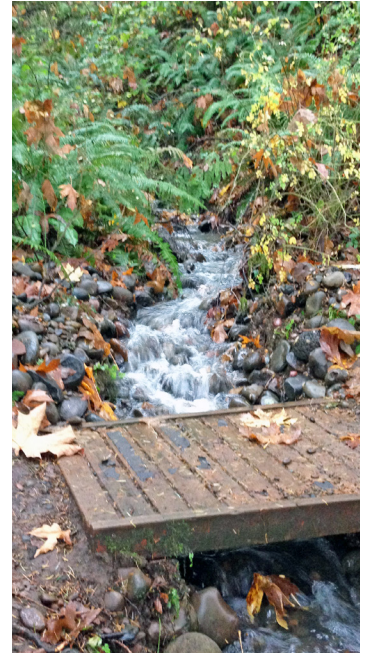


Maintaining the rustic character of the park while improving accessibility are important to us and our community.

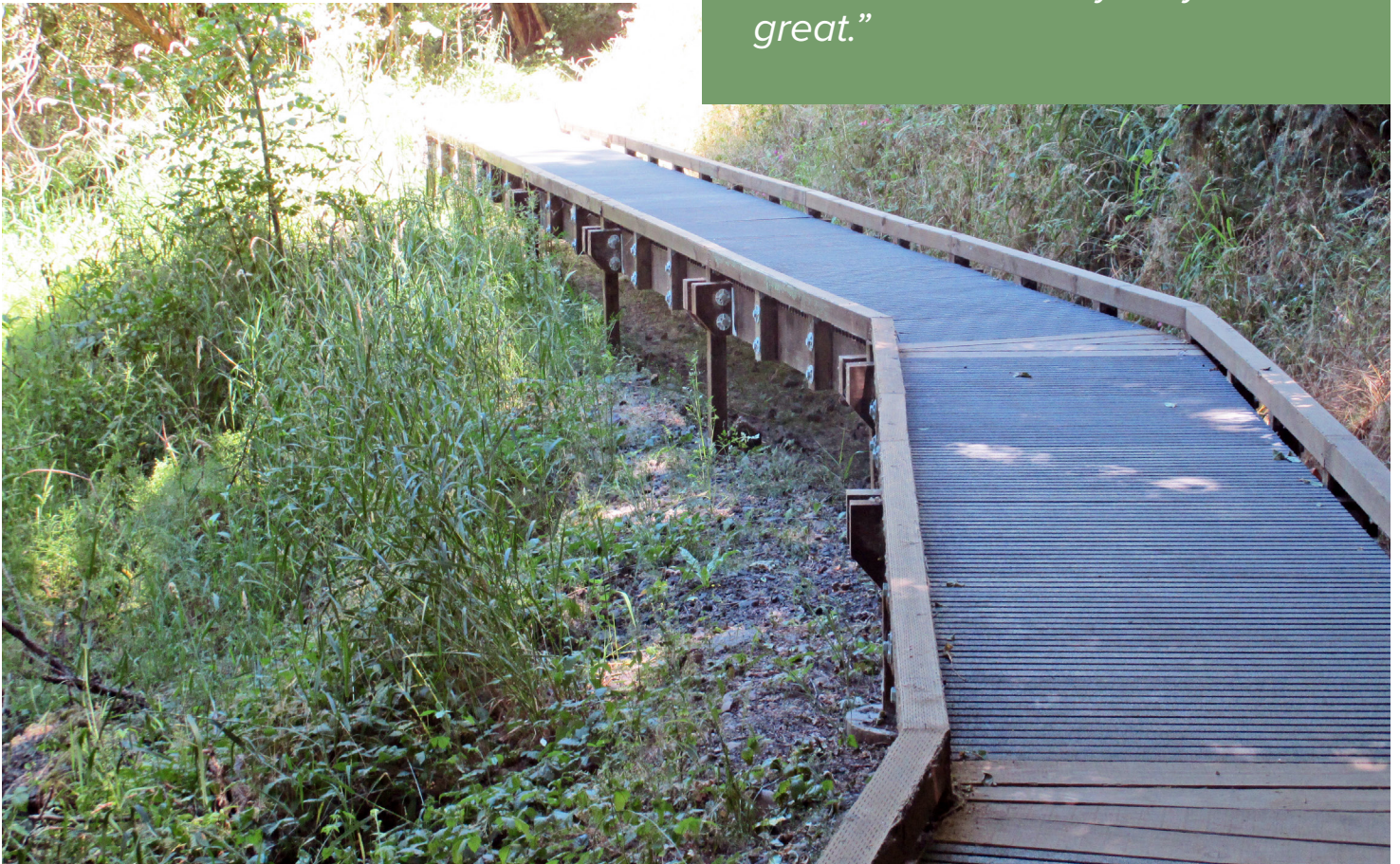
## Phase 2 is the west trail with minor creek crossings and boardwalk area.

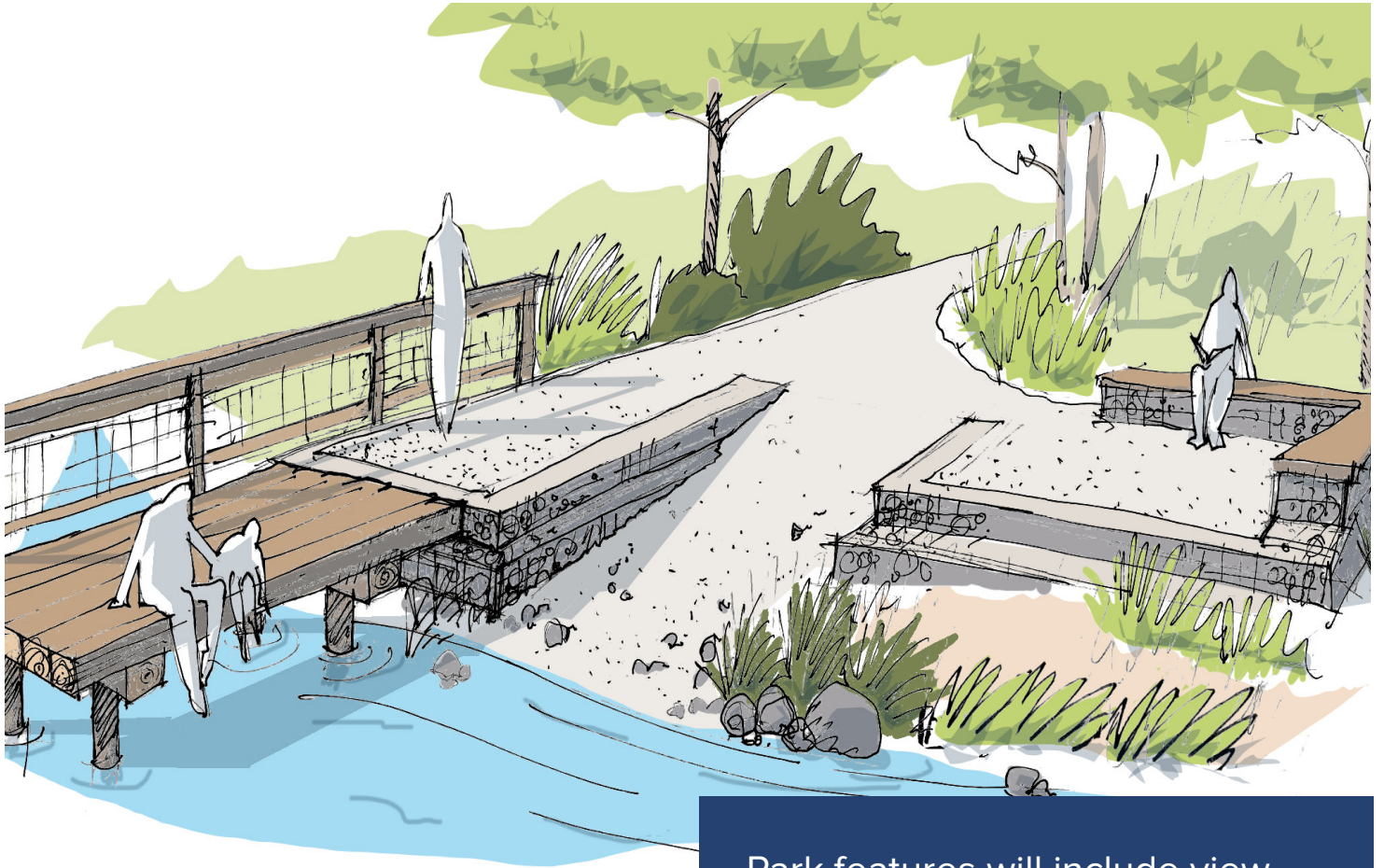
Existing trails along the west side of the lake are enhanced but their rustic quality is maintained. In some places, the trails are widened/stabilized and improved with the additions of timber stairs, retaining walls, and minor creek crossings. The existing boardwalk along the south side of the lake through the wetlands is replaced and realigned to minimize impacts to the wetlands and shorten the length of boardwalk required.

A new soft surface trail will be constructed to provide access to a currently unseen waterfall. A new section of trail will be created to connect to the north side of the lake; this trail section will include a small overlook with seating and a pre-engineered bridge that crosses the creek. This phase of the trail also includes a connection to Lacamas Park with pedestrian-activated signals, crosswalk, and a connection to the existing trail system.

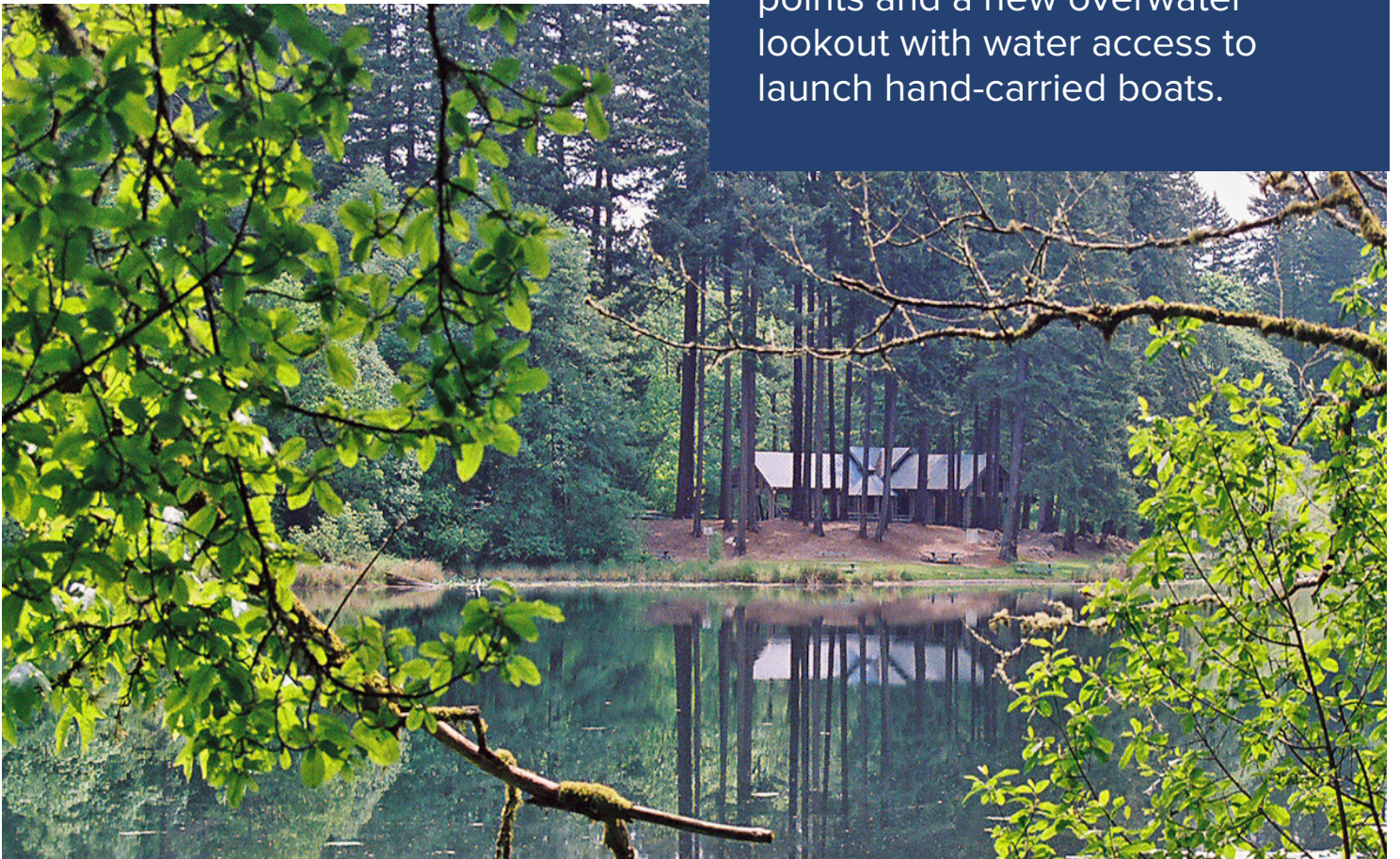


*“Please keep the character of Fallen Leaf Lake close to its current state. The diversity of the various areas is why they are great.”*



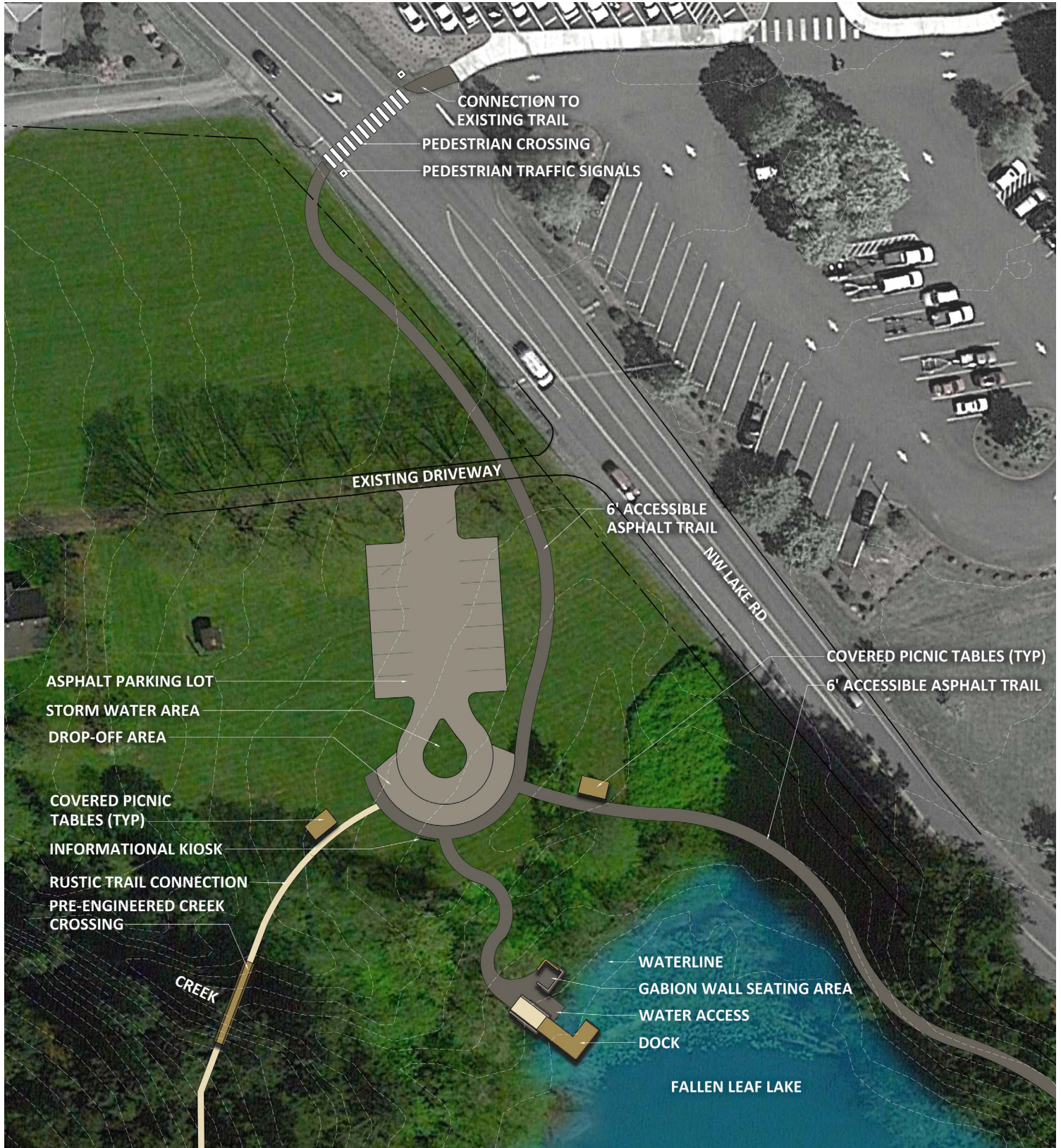


Park features will include view points and a new overwater lookout with water access to launch hand-carried boats.



### Phase 3 includes the northern trailhead parking and dock.

Improvements will provide water access, covered picnic tables, park map, dog waste disposal station, and vehicular access north of the lake with a seven-space parking area. A dock will provide views of the lake, with a ramp into the water for hand carried boats. Phase 3 also completes a junction between the new trail and the bridge completed in Phase 1, the pedestrian crossing at NW Lake Road, and an accessible trail to be constructed on the east side of the lake in Phase 4.

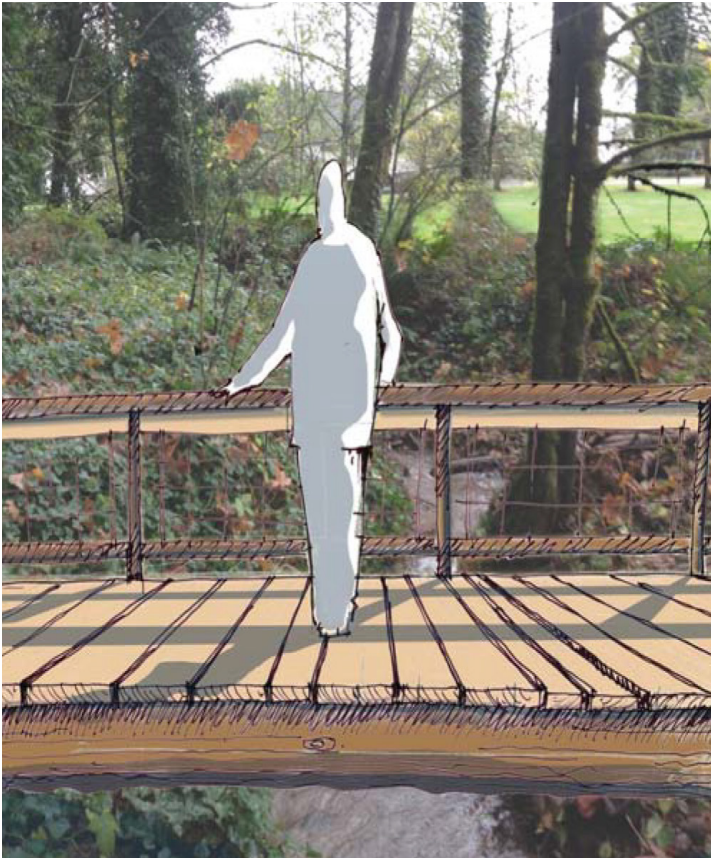




*“Wonderful concept!  
Our beautiful trails and hiking  
make people want to live here.”*

#### **Phase 4 includes the east side trail and pedestrian bridge.**

Users of the fully accessible trail will be able to travel from the day-use parking area near the picnic shelter along the east side of the lake and connect to the northern trailhead. Site improvements in this phase include additional covered picnic areas and a second pre-engineered bridge over the creek and wetlands, creating a trail that completes a loop around Fallen Leaf Lake. The east side trail helps create the new lake loop system that helps separate day use activities from private rentals.



*“This little lake offers a chance to get back to serenity and enjoy the birds, ducks, frogs, and all the wildlife. It’s a habitat that should be enjoyed with all and appreciated .”*

# ENVIRONMENTAL AND LAND USE PERMITTING

The first steps involve holding a pre-application conference with the City to identify issues and expectations and then examining the site, reviewing existing documentation, analyzing the extent of jurisdictional wetlands and habitat conservation areas, and evaluating local, state, and federal permitting requirements for the development of this complex and treasured site.

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Actually developing the master plan requires working with the City to obtain shoreline substantial development (SSDP) and critical areas permits and to complete site plan review, a State Environmental Policy Act (SEPA) checklist, and final engineering. These City regulations are among those that govern the protection of critical areas in Camas.

- Three wetlands on the project site are protected by Camas Municipal Code (CMC) 16.53.
- Fallen Leaf Lake and other streams within the study area are protected by CMC 16.61 as waters of the state.
- A biodiversity area is mapped over the entire site and is protected by CMC 16.61 as a priority habitat area.
- A small, naturally occurring pond on the site is protected by CMC 16.61 as a pond less than 20 acres.
- The City shoreline management program gives Fallen Leaf Lake both Urban Conservancy and Natural environmental designations.

In addition, the project requires obtaining various state and federal permits and authorizations. Previous studies identified the presence of wetlands, fish and wildlife habitat conservation areas, priority habitat areas, ponds less than 20 acres, and waters of the state on the site. The wetlands on the site were delineated more than five years ago, so the state requires a new delineation.



*“Please consider our wildlife and their access to the park and adjacent areas as you move forward with this plan.”*





Any direct impacts to wetlands or waterbodies require authorizations not only from the City, but from the Washington State Department of Ecology and the U.S. Army Corps of Engineers. In addition, the Washington Department of Fish and Wildlife mapped a high-quality ecosystem on the site, and its presence was verified through the habitat assessment.

Site plan review consists of a preliminary review of the project by the City planning, engineering, fire, and building departments to ensure that the proposal complies with the relevant City development regulations, or can comply with conditions. The City most likely would examine the site plan review and

SSDP concurrently, subject to review by the Hearings Examiner with approval following a public hearing.

The City will require that a SEPA checklist accompany the site plan review and SSDP applications. The City will be the SEPA lead agency and make the SEPA threshold determination of whether the impacts of the proposed project are significant.

Engineering review ensures that the proposed development meets City requirements for the construction of site improvements. The objective would be to obtain the City civil and grading approvals and permits necessary for the construction of the proposed site improvements.

**Permit Matrix**

	USACE Section 404 Permit	Ecology Section 401 WQC	WDFW HPA	City Site Plan Review	SEPA	Shoreline Permit SSDP/SCUP/Variance	Critical or Sensitive Areas	Engineering Review	City Grading Permit	City Building Permits
<b>South Trailhead - Phase 1</b>										
Main Park Entry Gate				x	?			x		
Parking Area Extension				x	x		x	x	x	
South Trailhead Plaza				x	x		x		x	?
Nature Play Area				x	x		x		x	?
Entry drive & ADA accessible pathway to Picnic Shelter				x	x	x	x	x	x	x
Event and Day-use Parking Improvements				x	x	x	x	x	x	
<b>West Side Trail Improvements and Pedestrian Crossing - Phase 2</b>										
Trail Improvements				x	x	x	x		x	
4-foot Wetland Boardwalk (Wood Structure w/ Fiberglass Decking)	x	x	x	x	x	x	x		x	x
Soft Surface Trail - Waterfall Access			x	x	x		x		x	
Stream drainage culverts	x	x	x	x	x		x	x	x	
Pedestrian Road Crossing Signal								x		x
Pedestrian Bridge (8'x30')	x	x	x	x	x	x	x	x		x
Overlook				x	x	x	x		x	
Soft Surface Trail - North Connection				x	x	x	x		x	
<b>North Trailhead &amp; Parking - Phase 3</b>										
North Trailhead & Parking				x	x	x	x	x	x	
Canoe Kayak Hand Launch - 12' Gravel Access Trail	x	x	x	x	x	x	x			x
Covered picnic tables				x	x	x	x			x
Viewing Platform/Dock	x	x	x	x	x	x	x			x
<b>East Lake Accessible Trail - Phase 4</b>										
6-Foot Asphalt ADA Accessible Trail	x	x	x	x	x	x	x	x	x	
Prefab Pedestrian Bridge (8'x60')	x	x	x	x	x	x	x	x	x	x
Covered picnic tables				x	x	x	x			x
Property Line Fence				x	x	x	x			

## PUBLIC OUTREACH

The City held an open house to gather citizen input on the Fallen Leaf Lake master plan and to affirm public expectations and desires for the park. The open house was held at Lacamas Lake Lodge on Wednesday, January 20, 2016. The public was notified by an article in the Camas Post Record, information on the City’s website, Facebook page, and mobile app.

The City held a public meeting and meetings with the Parks and Recreation Commission to solicit input on alternative designs. In addition, announcements were posted in City facilities and more than 7,700 mailers were sent to residents in the 98607 zip code. Approximately 94 members of the community attended, including members of the City Council and the Parks and Recreation Commission. Ten display boards illustrated the design elements of the proposed master plan and showed existing site conditions, photographs, and amenities. Information about regional trails and parks explained how Fallen Leaf Lake fits in the overall park plan for Camas. Proposed improvements presented at the open house included conceptual design documentation to confirm site improvements, trail structures, waterfront access, and recreation features. Based on public input and staff comments, the team created renderings and presentation graphics for the preliminary trail plan.

At the open house, the public could ask questions and comment about the project, either orally or in writing. While most attendees support the Fallen Leaf Lake Park master plan, they want to keep the park in a natural, simple state while making it accessible to all.



*“I’d like to see a natural playscape to show our children other options from the other neighboring parks.”*

# PLANNING LEVEL COST ESTIMATE

The design team developed planning-level cost estimates for constructing the master plan. The cost estimates include the trail, trailheads, and other open space improvements. The project budget is organized into four phased tasks.

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## Phase 1. New park entry, driveway, and improved day-use area

The first task includes the costs of constructing the south trailhead to relocate the main park entry, expand the parking area, and construct the trailhead plaza, nature play area, new driveway and accessible pathway to the event facility, and to improve existing parking areas.

**Task 1 Construction Costs - \$815,857**



## Phase 2. West trail with minor creek crossings and boardwalk

The second task includes the costs of constructing the west side trail improvements and providing a connection to the north with a pedestrian bridge across the creek and a pedestrian road crossing to Lacamas Park. Most of the trails are existing and would need only minor improvements to protect slopes, mitigate for springs, and upgrade the existing boardwalk through wetlands.

**Task 2 Construction Costs - \$360,169**

## Phase 3. Northern trailhead parking and dock

The third task includes the costs of constructing the north trailhead and parking and the covered picnic tables, kayak launch, plaza area with kiosk, and platform pier.

**Task 3 Construction Costs - \$450,298**

## Phase 4. East side trail and pedestrian bridge

The fourth task includes the costs of constructing the east side accessible trail from the day-use parking area to the north trailhead. Improvements include a 6-foot-wide asphalt trail and a pedestrian bridge.

**Task 4 Construction Costs - \$457,345**

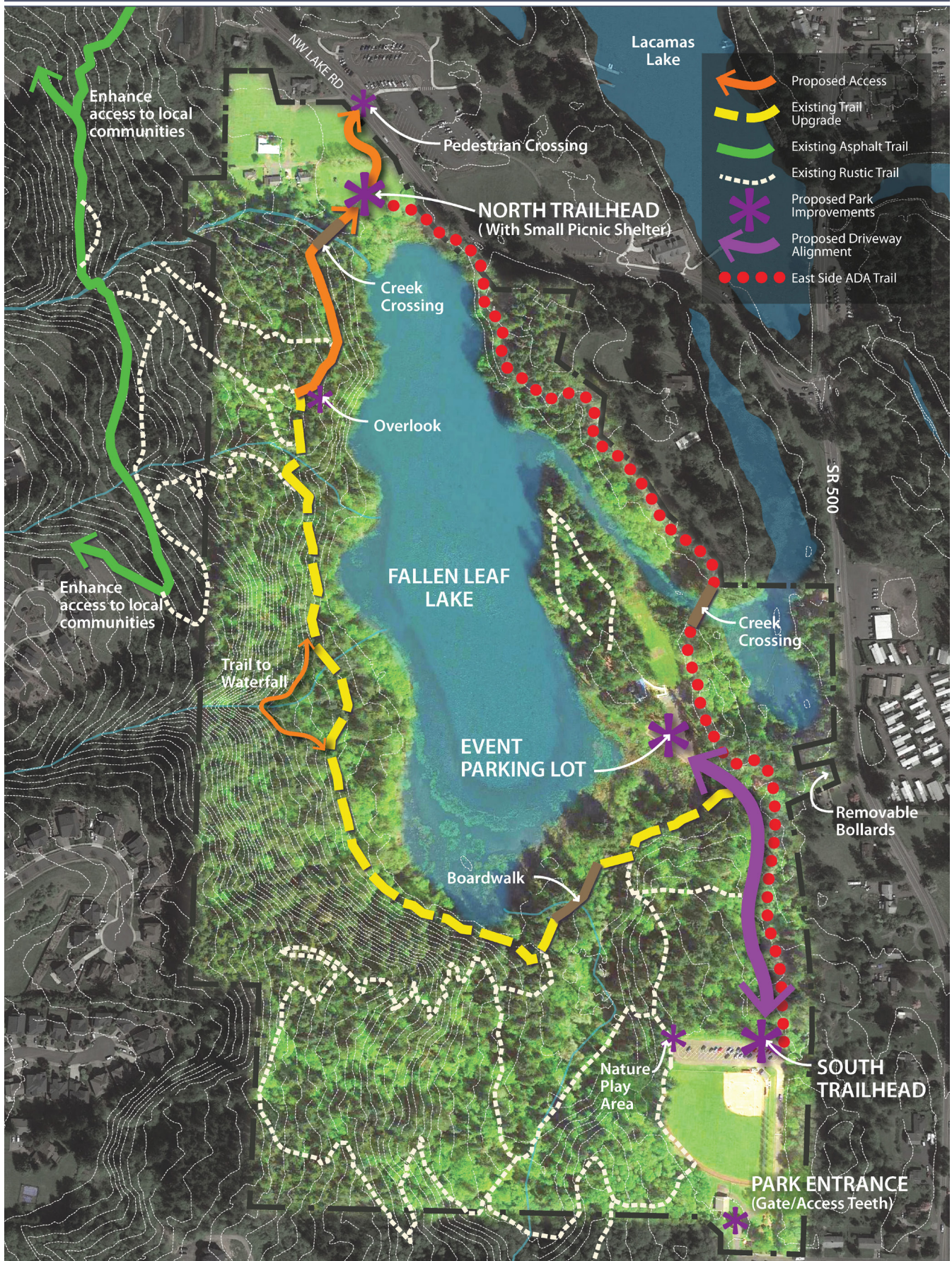
## Total project construction costs - \$2,083,670

These cost estimates are preliminary and for project budgeting purposes. In addition to construction costs, the project budget includes allowances for mobilization (10 percent), A&E Design (15 percent), permitting (8 percent), construction inspection (3 percent), an estimating contingency (20 percent), escalation (3 percent), and sales tax (8.4 percent).

## Next Steps

The City continues to seek partners and support as the master planning effort moves forward. Once funding is secured, the City continues to develop the plan into construction documents and applies for land use and environmental permits.

# FALLEN LEAF LAKE SITE FEATURES

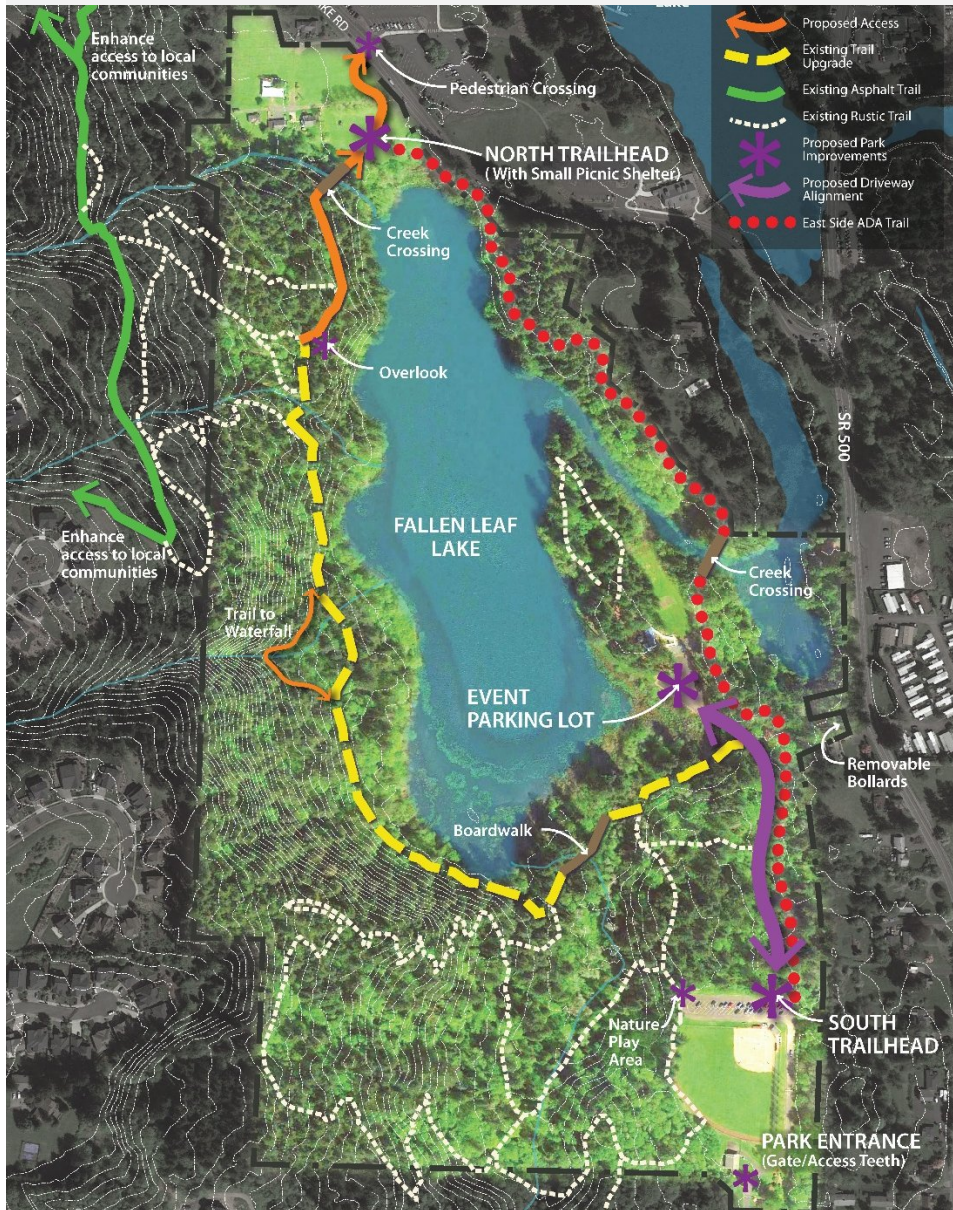


Turning Over a New Leaf

# FALLEN LEAF LAKE MASTER PLAN



# FALLEN LEAF LAKE MASTER PLAN



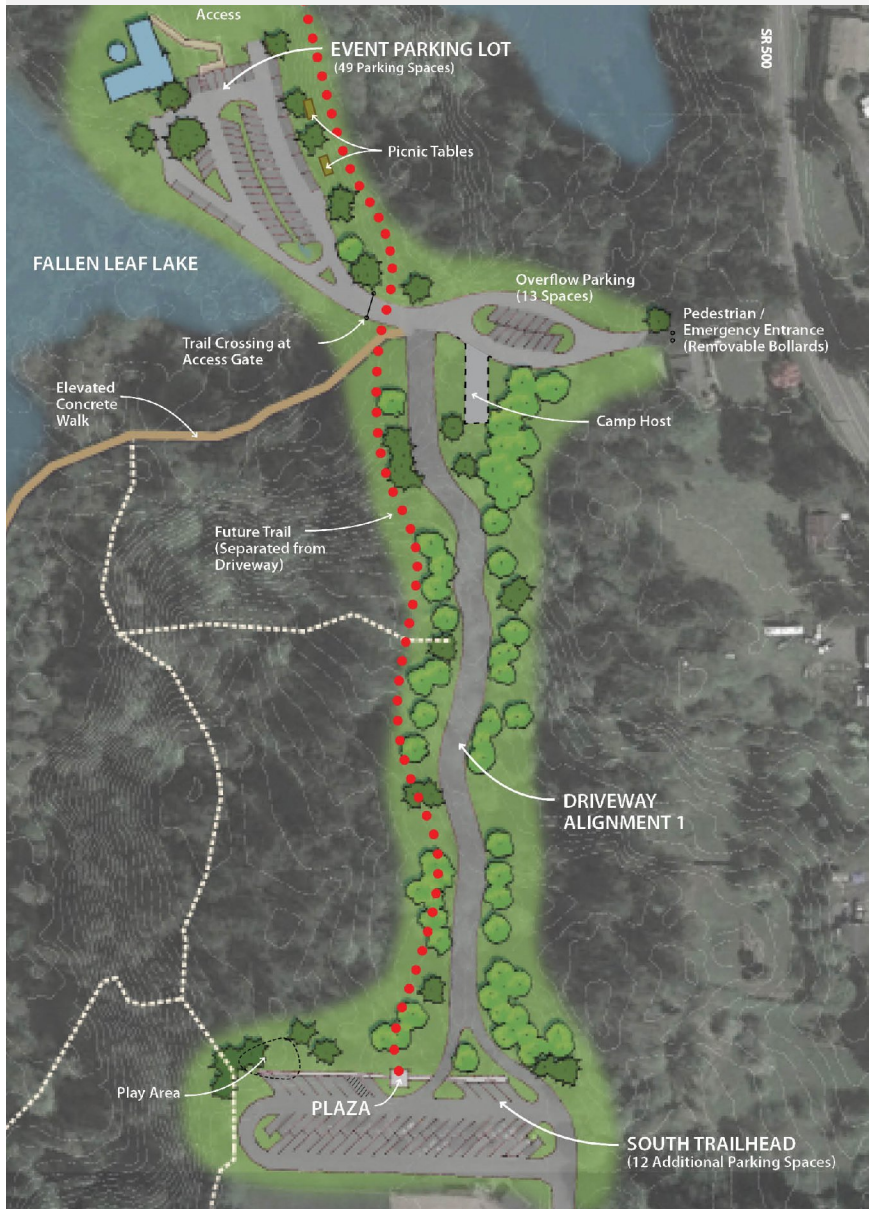
## PURPOSE:

- Improve pedestrian and vehicle access and circulation through site
- Upgrade existing park facilities
- Install elevated boardwalks
- new overwater lookout dock
- Hand carry-in boat launch
- Create a lake loop trail system
- Separate day-use activities from private rentals
- Preserve the serenity of site

## CONNECTION:

- Connect to Lacamas and Round lake trails system
- Pedestrian crossing at Lake Road
- Connect West and South neighborhoods

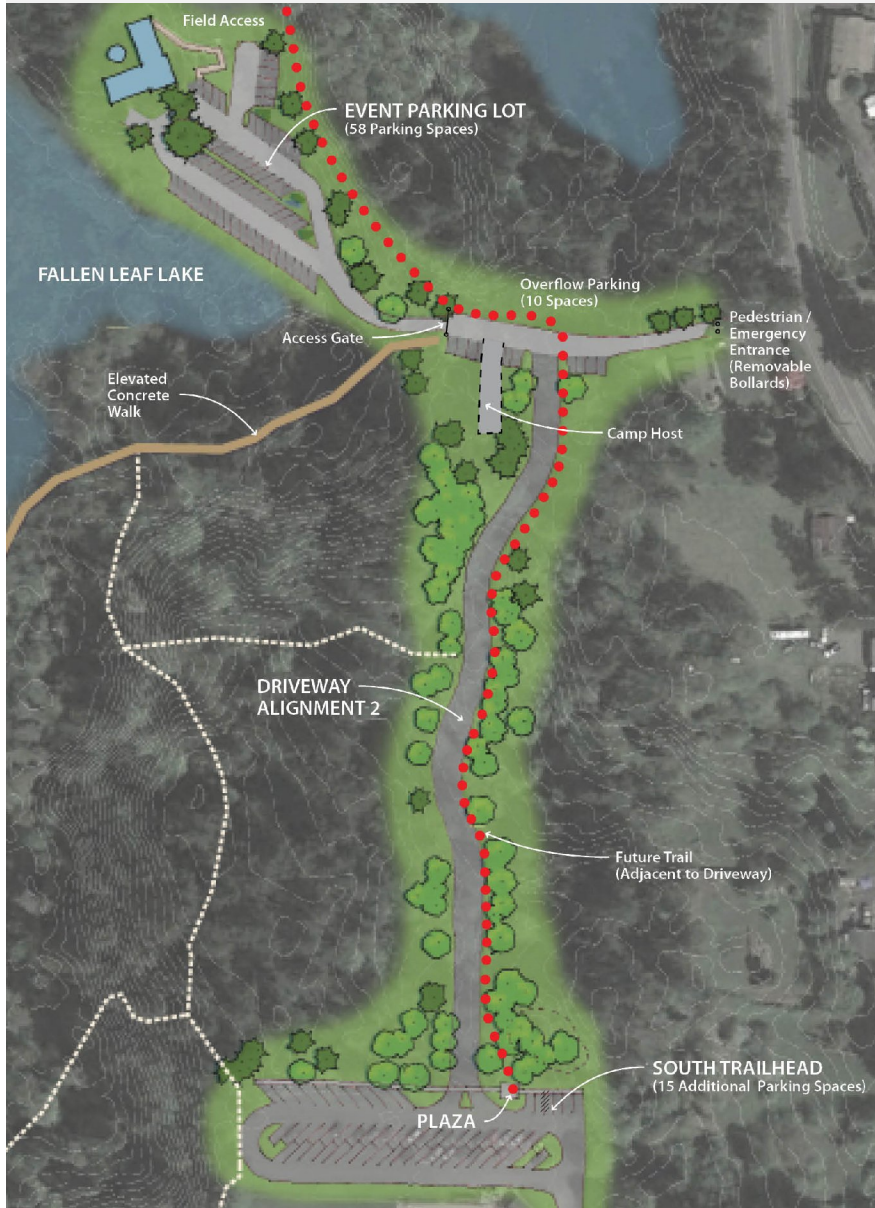
# EVENT PARKING DRIVEWAY OPTION 1



## FEATURES:

- Picnic shelter/ event parking area
  - 74 spaces
  - Improved circulation
  - Rain gardens reduce water runoff
  - Impervious surface
  - 13 spaces in overflow parking
- Trail separate from driveway
- Low vehicle pedestrian conflict
- Driveway follows previous trail route
- 12 parking spaces at south trailhead
- Separated driveways at entrance
- Play area separated from vehicle travel

## EVENT PARKING DRIVEWAY OPTION 2

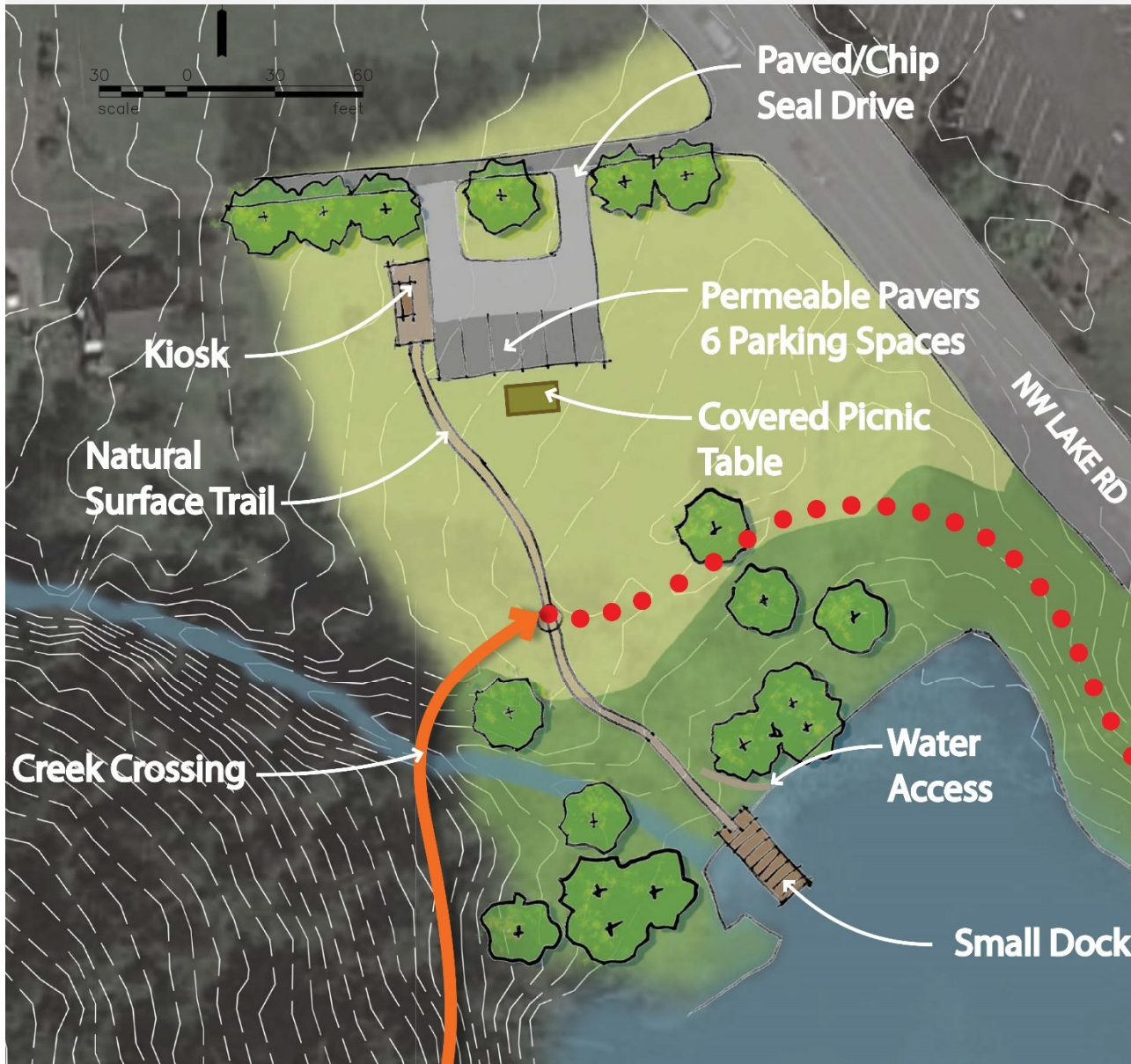


## FEATURES:

- Picnic shelter/ event parking area
  - 83 spaces
  - Improved circulation
  - Rain gardens reduce water runoff
  - Impervious surface
  - 10 spaces in overflow parking
- Trail shares driveway
- Low vehicle pedestrian conflict
- 15 parking spaces at south trailhead
- Single driveway at entrance



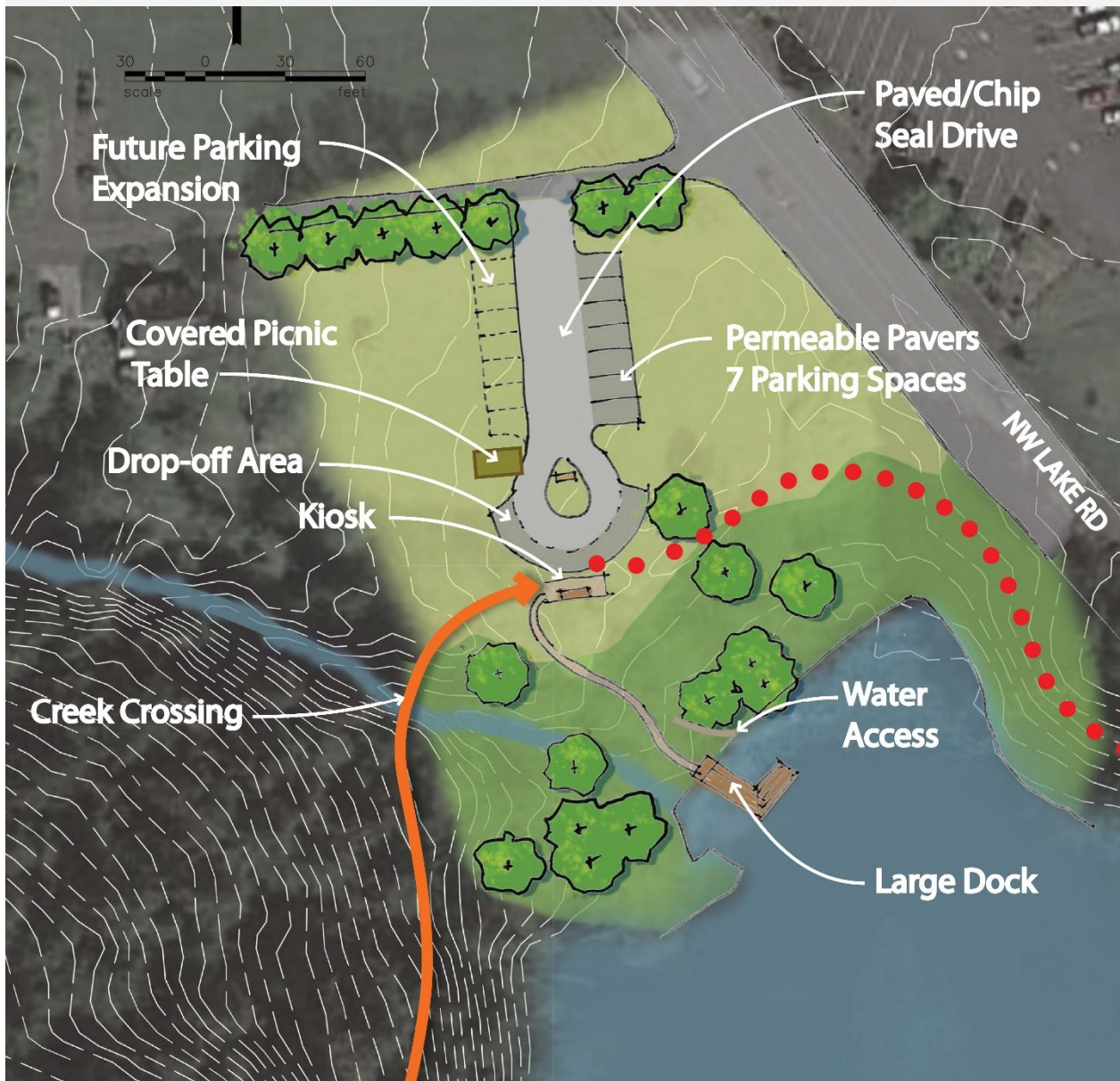
## NORTH TRAILHEAD OPTION 1



## FEATURES:

- Small parking lot (6 spaces)
- Maintains a quiet space
- Minimizes impact to habitat areas and watershed
- Two driveways for parking (2 trees removed)
- No Canoe/Kayak drop off
- Small Dock

## NORTH TRAILHEAD OPTION 2



### FEATURES:

- Parking lot with 6 spaces and ability for future expansion
- More capacity for park visitors
- Less need for people to cross Lake Road to access parking
- Drop off for Canoe/Kayak to be unloaded easily
- One parking driveway entrance (one tree removed)
- Large Dock

# COMMUNITY OPEN HOUSE



# EXISTING CONDITIONS



# SOUTH TRAILHEAD IMPROVEMENTS



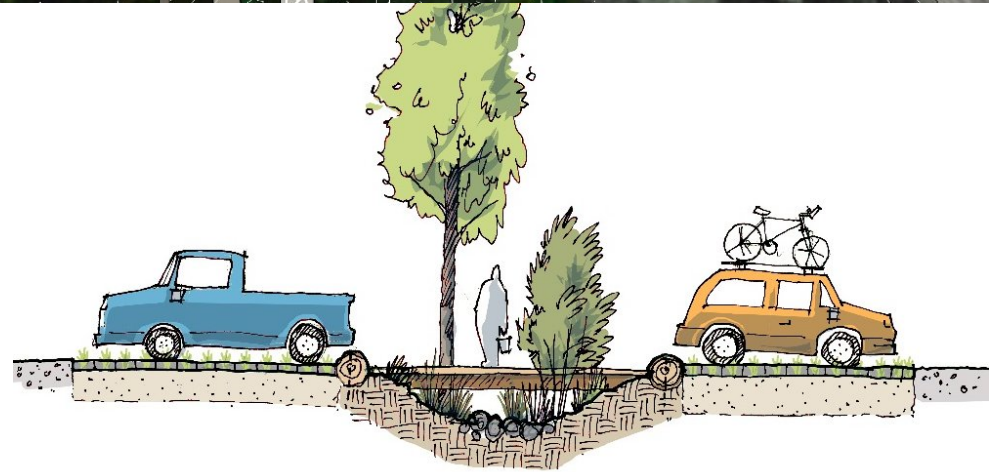
EXISTING CONDITIONS



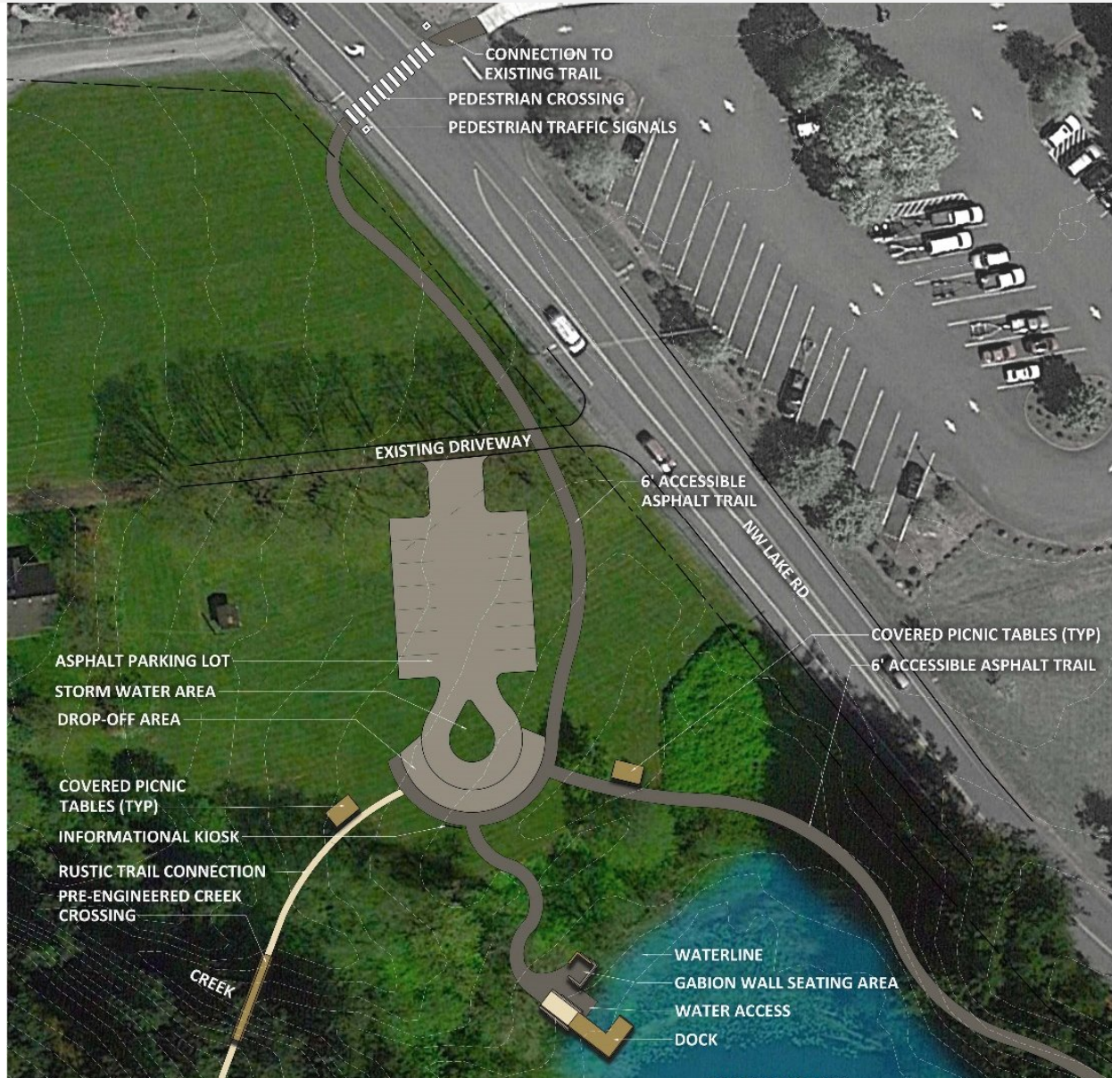
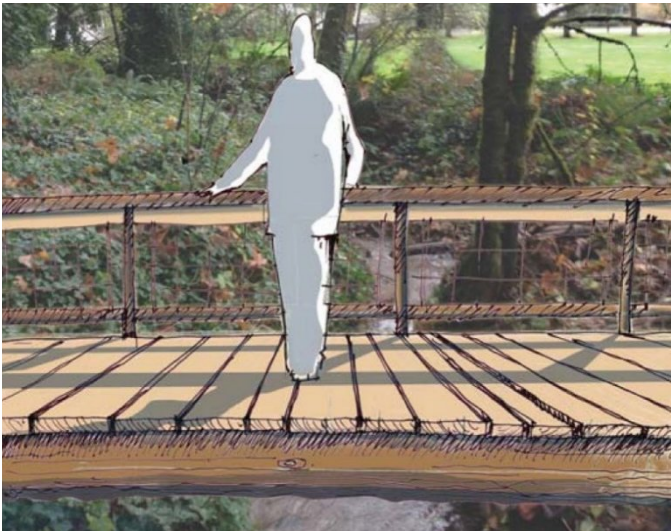
PROPOSED CONDITIONS



# PICNIC SHELTER PARKING LOT IMPROVEMENTS



# NORTH TRAILHEAD IMPROVEMENTS





## EXISTING CONDITIONS



## PROPOSED CONDITIONS



## PHASING PLAN - PLANNING LEVEL COST ESTIMATE

### PHASE 1 - \$815,857

- Main park entry gate
- Parking area expansion
- South trailhead plaza
- Nature playscape
- New Driveway
- Accessible pathway to event facility
- Improve event parking and day-use area

### PHASE 2 - \$360,169

- West side trails improvements
- Upgrade existing wetland boardwalk
- Pedestrian bridge at stream crossing
- Hillside viewpoint
- Pedestrian road crossing signal

### PHASE 3 - \$450,298

- North trailhead parking
- Informational kiosk
- Covered picnic tables
- Gabion bench seating
- Viewing dock
- Canoe/kayak hand launch
- Trail connection to west and east trails

### PHASE 4 – \$457,345

- East side trail construction
- Connection to north trailhead
- 6-foot asphalt ADA trail
- Pedestrian bridge
- Bench seating
- Interpretative signage

# ENVIRONMENTAL AND LANDUSE PERMITTING

Permit Matrix										
	USACE Section 404 Permit	Ecology Section 401 WQC	WDFW HPA	City Site Plan Review	SEPA	Shoreline Permit SSDP/SCUP/Variance	Critical or Sensitive Areas	Engineering Review	City Grading Permit	City Building Permits
<b>South Trailhead - Phase 1</b>										
Main Park Entry Gate				x	?			x		
Parking Area Extension				x	x		x	x	x	
South Trailhead Plaza				x	x		x		x	?
Nature Play Area				x	x		x		x	?
Entry drive & ADA accessible pathway to Picnic Shelter				x	x	x	x	x	x	x
Event and Day-use Parking Improvements				x	x	x	x	x	x	
<b>West Side Trail Improvements and Pedestrian Crossing - Phase 2</b>										
Trail Improvements				x	x	x	x		x	
4-foot Wetland Boardwalk (Wood Structure w/ Fiberglass Decking)	x	x	x	x	x	x	x		x	x
Soft Surface Trail - Waterfall Access			x	x	x		x		x	
Stream drainage culverts	x	x	x	x	x		x	x	x	
Pedestrian Road Crossing Signal								x		x
Pedestrian Bridge (8'x30')	x	x	x	x	x	x	x	x		x
Overlook				x	x	x	x		x	
Soft Surface Trail - North Connection				x	x	x	x		x	
<b>North Trailhead &amp; Parking - Phase 3</b>										
North Trailhead & Parking				x	x	x	x	x	x	
Canoe Kayak Hand Launch - 12' Gravel Access Trail	x	x	x	x	x	x	x			x
Covered picnic tables				x	x	x	x			x
Viewing Platform/Dock	x	x	x	x	x	x	x			x
<b>East Lake Accessible Trail - Phase 4</b>										
6-Foot Asphalt ADA Accessible Trail	x	x	x	x	x	x	x	x	x	
Prefab Pedestrian Bridge (8'x60')	x	x	x	x	x	x	x	x	x	x
Covered picnic tables				x	x	x	x			x
Property Line Fence				x	x	x	x			

Turning Over a New Leaf  
QUESTIONS?





# North Shore Lacamas Lake

**DRAFT**

**September 22, 2016**

**A Vision for Conservation and Recreation**

# ***Acknowledgements***

## ***Funding***

Funding for this planning effort was provided by the  
City of Camas and the Columbia Land Trust

## ***Report Prepared by***

Jeff Krueger  
Jeff Krueger Environments LLC  
Eugene, Oregon

## ***Key Partner Staff***

Jerry Acheson  
City of Camas Parks and Recreation Manager

Dan Roix  
Columbia Land Trust Conservation Director

## ***Vision Endorsement***

The North Shore Lacamas Lake Vision was reviewed and endorsed  
by the Camas Parks Commission during the summer of 2016

Camas Parks Commission Members:

Eunice Abrahamsen  
Juli Bradley  
Randy Curtis  
David Gast  
Steve Lorenz  
Cassi Marshall  
Sean Vergillo

*The vision described in this report is intended to serve as a conceptual framework to guide future conservation and recreation planning efforts for the north shore area of Lacamas Lake. Implementation will ultimately rely on efforts by a variety of conservation partners, support of the citizens of Camas, available funding, and voluntary participation of key landowners.*

# North Shore Lacamas Lake Vision Narrative and Background

**DRAFT: September 22, 2016**

## ***Background and Purpose***

The natural and recreational features within the Lacamas Lake corridor have long shaped the history, growth, and character of the City of Camas (City). Over the past several decades, the City, Clark County, the State of Washington, and the Columbia Land Trust have collaborated to preserve hundreds of acres of critical land within the corridor. These conservation efforts have resulted in the permanent protection of sensitive natural areas such as riparian zones, wetlands, and forested hillslopes; provided opportunities for recreational trails such as the popular Heritage Trail and the Lacamas Regional Park trail network; preserved the visual quality that gives Camas its unique sense of place; and provided direct public access to the lake for boating, fishing, and swimming. As the City continues to grow and prosper in the coming years, future urban development is likely to be concentrated within the designated urban growth area to the north of Lacamas Lake, providing both challenges and opportunities.

The guiding principles and vision map presented in this report highlight opportunities for land conservation and recreational trails on and around the north shore of Lacamas Lake. The vision was developed based on the direction contained within a variety of City, County, and regional plans (summarized on the next pages) along with input from City staff and key conservation partners. The vision is intended to paint a picture of what is possible. Implementation will ultimately rely on efforts by a variety of conservation partners, support of the citizens of Camas, available funding, and voluntary participation of key landowners. This narrative and vision map was produced by *Jeff Krueger Environments*, with input and assistance from the City of Camas and Columbia Land Trust.



*The Heritage Trail along the south shore of Lacamas Lake is heavily used by residents and visitors.*

## Regional Context

The Lacamas Lake corridor lies within the Urban Growth Area (UGA) of the City of Camas and is just over a mile north of the Columbia River and is a hub for recreational activities. The corridor includes Lacamas Lake (250 acres), Round Lake (21 acres), Fallen Leaf Lake (14 acres), Lacamas Creek, and the surrounding developed and undeveloped lands. Significant park land is located on the upper and lower end of the lake corridor including Lacamas Regional Park and Camp Currie. The popular Heritage Trail runs along the entire south shore of the lake. The north shore of the lake is largely undeveloped, but substantial future development is projected for that area, with much of the land zoned for residential and business park uses.



*Children enjoy Lacamas Lake on a hot day near the Lacamas Lake Lodge.*

## Lacamas Lake Context Perspective



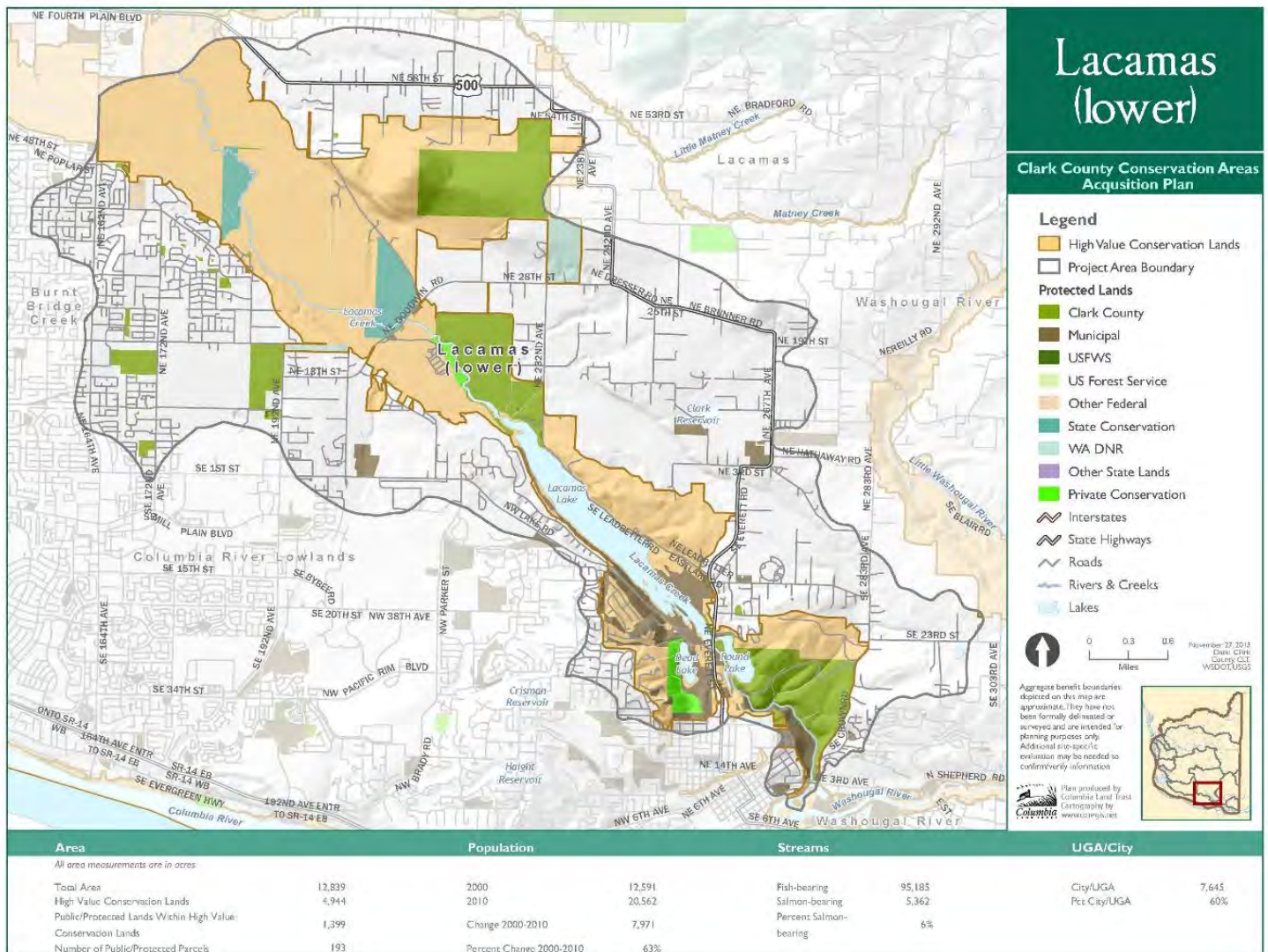


## Key Plans and Studies

The following key plans and studies were used to provide context and direction for the development of the North Shore Lacamas Lake Conservation and Recreation Vision Map (last page of report) and the associated guiding principles (starting on page 9).

### Clark County Conservation Areas Acquisition Plan (Clark County, 2014)

The *Conservation Areas Acquisition Plan* provides a vision for preserving and enhancing a countywide-system of conservation lands, including greenways, habitat, farm, and forest resource lands. The Plan contains a series of subarea maps including one for Lacamas (Lower) that highlights “high value conservations lands” in the area. This area represents future opportunities for habitat conservation, park development, trail creation, and restoration opportunities. The plan prioritizes projects that meet multiple benefits, expand on the existing system, and are aligned with other county plans (i.e. trails plans) and priorities. The plan also encourages the development of partnerships between public and private agencies.



**City of Camas Parks, Recreation and Open Space Plan Update (City of Camas, 2015)**

The Parks, Recreation and Open Space Comprehensive (PROS) Plan provides an update to the City's 2007 PROS Plan and continues the City's long history of planning and providing a high quality park and recreation system. The *Trail System Concept Map* (right) from the PROS Plan shows proposed trail connections and trailheads along the north shore of the lake. The *Open Space Concept Map* on the next page identifies key future park and open space opportunity areas.





Parks, Recreation and Open Space  
Comprehensive Plan Update

### Open Space Concept

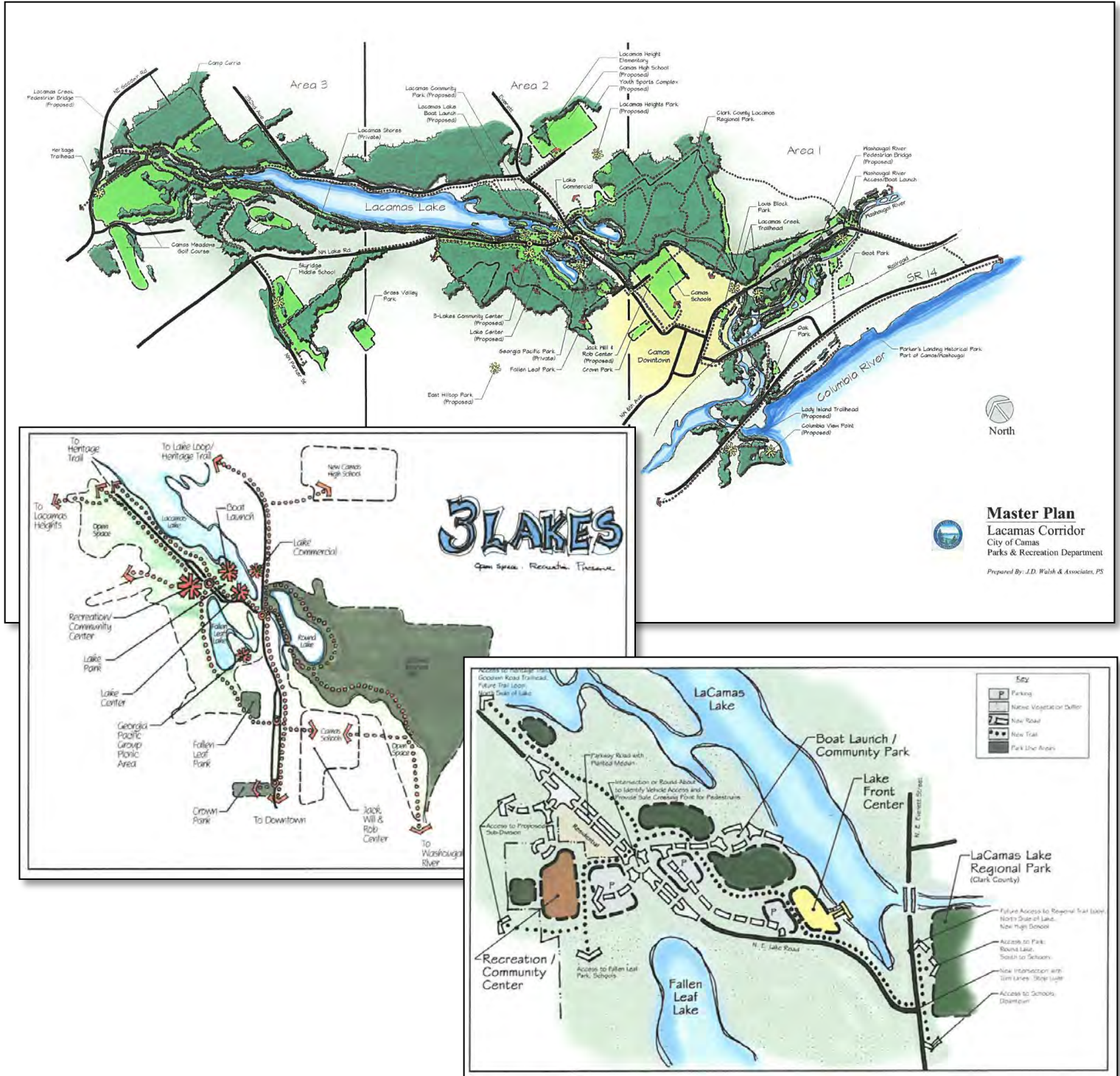
9.9.2014 | Data sources:  
Clark County GIS, USGS, ESRI, NOAA

- |                          |                    |
|--------------------------|--------------------|
| Open Space Concept Map   | School             |
| City Park                | Water              |
| City Open Space          | Camas UGA Boundary |
| City Undeveloped Park    | City of Camas      |
| Private / HOA Open Space | Taxlots            |
| Other Park               | Other City         |
| County Park              | Highway            |



## Lacamas Corridor Master Plan (Clark County, 2001)

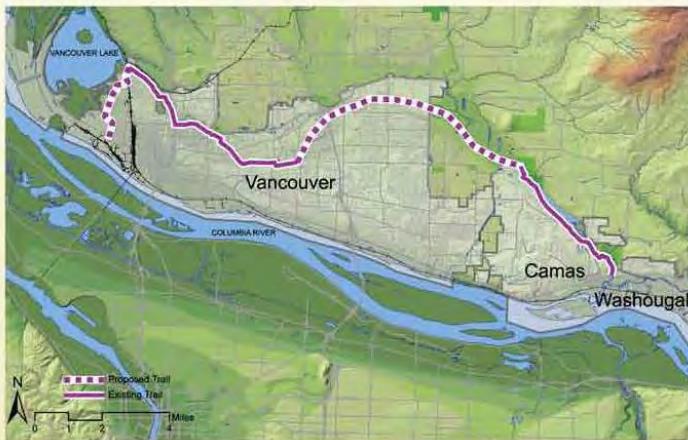
The purpose of the 2001 Master Plan document was to develop a framework which will guide the enhancement and improvements of the Lacamas Lake Corridor for the greater benefit of the citizens of Camas. Many of the concepts in this Plan, which focused primarily on the south and east sides of the lake, have already been implemented.



**Portland-Vancouver Bi-State Regional Trail System Plan (Intertwine, 2010)**

This Trail System Plan was developed by the *Intertwine Alliance* for the Portland-Vancouver Metropolitan Region. The plan proposes a network of trails and greenways connecting cities and suburbs to other communities and to nature. The planned network includes 37 regional trails: 20 in the Portland metropolitan area and 17 in Clark County. Several of these proposed regional trail corridors tie into the Lacamas Lake area.

# Lake to Lake Trail



**LAKE TO LAKE TRAIL - 22.3 MILES**  
Develop a continuous east-west trail connection along the Burnt Bridge Creek and Lacamas Creek Greenways to provide access for people to travel from Vancouver Lake to Lacamas Lake.

- TRAIL FACTS:**
- Connects neighborhoods with employment centers and schools in Vancouver and Camas.
  - Joins two premier trails in Clark County for pedestrians and bicycle using 11.5 miles of existing trails.
  - Provides people with the opportunity to learn about two significant greenway ecosystems in Clark County.
  - Connects with the Camp Bonneville, Battle Ground-Fisher's Landing Trail, I-205, and I-5 Regional Trails.

**PARTNERS:**  
City of Camas, City of Vancouver, Clark County, Vancouver Watersheds Council, Bonneville Power Administration



# Battle Ground-Fishers Landing Trail



**BATTLE GROUND-FISHERS LANDING TRAIL - 16.1 MILES**  
Provide a north-south trail that connects the Columbia River in Fisher's Landing to Battle Ground Lake State Park, by following portions of Lacamas and Lower Fifth Plain Creeks, China Ditch, and the Chelatchie Rail with Trail.

- TRAIL FACTS:**
- Provides the community access to experience several significant waterway ecosystems.
  - Connects the schools and Hockinson High, Hockinson Meadows Community Park, and Harmony Sports Complex.
  - Creates connections between employment areas in Battle Ground and east Vancouver.
  - Connects the Lewis and Clark Columbia River Discovery Trail with the Chelatchie Prairie Rail with Trail.
  - Provides equestrian access as the trail travels outside of City of Vancouver limits.

**PARTNERS:**  
Battle Ground School District, City of Battle Ground, City of Vancouver, Clark County, Community of Hockinson



# Camp Bonneville Trail



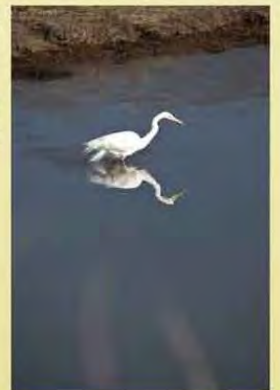
**CAMP BONNEVILLE TRAIL - 12.1 MILES**  
 Provide an east-west trail that connects the City of Camas and Department of Natural Resources land to the future Camp Bonneville Regional Park in eastern Clark County by connecting the north end of Lacamas Lake Trail to the east end of the Salmon Creek Trail located at the headwaters of Salmon Creek.

- TRAIL FACTS:**
- Connects eastern Clark County with State Natural Resource lands and trails.
  - Provides access to the Lacamas Creek watershed ecosystem.
  - Creates many loop opportunities with Lacamas Lake Trails, and the future Green Mountain, Camp Currie and Camp Bonneville Regional Parks.
  - Provides equestrian access as the trail travels outside of City of Vancouver limits.

**PARTNERS:**  
 City of Camas, City of Vancouver, Clark County, Department of Natural Resources, Green Mountain Golf Course



# Livingston Mountain Dole Valley Trail



**LIVINGSTON MOUNTAIN DOLE VALLEY TRAIL - 21 MILES**  
 Develop a north-south trail connection from Lacamas Lake Park in Camas to the Yacolt Burn State Forest to provide a multi-modal connection into the State Forest lands.

- TRAIL FACTS:**
- Offers people the opportunity to access the Yacolt Burn State Forest from Camas by trail.
  - Provides connections to the Camp Bonneville, Lake to Lake and East Power-line Trails.
  - Accommodates pedestrians, bicycles, and equestrians.

**PARTNERS:**  
 City of Camas, Clark County, Washington State Forest

## ***Guiding Principles for North Shore Conservation and Recreation***

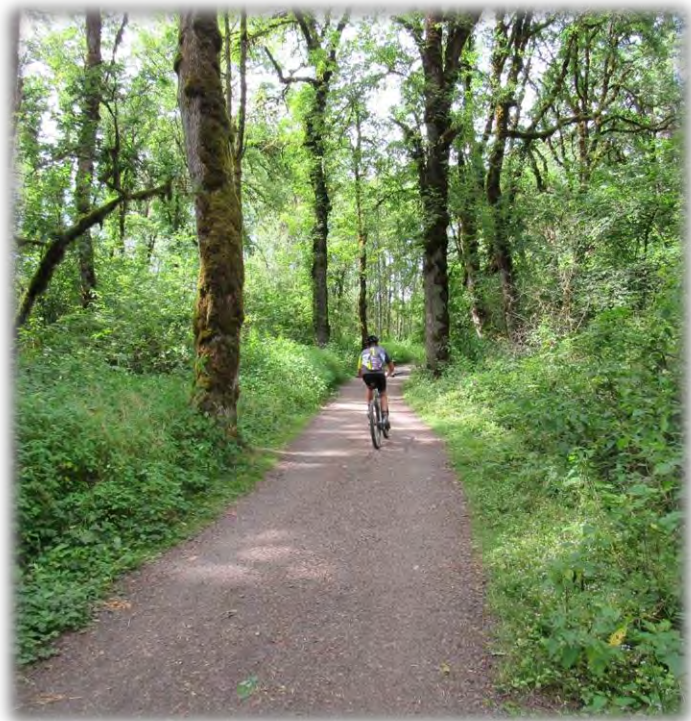
The following six guiding principles and associated recommended actions are intended to guide future conservation and recreational actions on and around the north shore of Lacamas Lake. These recommended actions would be implemented over time through the combined efforts of regional conservation partners, private land owners, and the citizens of Camas.

### **I. Accommodate Recreational Trails and Promote Bicycle and Pedestrian Connectivity**

Complete the seven-mile loop trail around Lacamas Lake and provide connections to existing trail networks, nearby schools, neighborhoods, and places of employment.

#### Recommended Actions:

- Convert Leadbetter Road to a lakeshore bicycle and pedestrian corridor once an alternative road network is constructed to the north.
- Complete a trail and boardwalk across City owned conservation land at the foot of Lacamas Lake to make the connection between Leadbetter Road and the existing Heritage Trail and the trail network in Lacamas Regional Park.
- Create a safe pedestrian and bicycle crossing of NE Everett Street (Route 500) at the south end of Lacamas Lake to provide connectivity between the Heritage Trail and the trail network in Lacamas Regional Park. This could be achieved through the installation safe pedestrian crossing on Everett Street (signalized crossing or a roundabout with a rapid flashing beacon) or could potentially pass under Everett Street if the highway bridge crossing Lacamas Lake and Round Lake is reconstructed in the future at a higher level.
- Develop a primary trail parallel to the future realignment of Leadbetter Road that will connect future uses along the north shore of the lake and create a bicycle and pedestrian connection between Camas High School and the future school site adjacent to Camp Currie.
- Create safe and convenient pedestrian and bicycle access to and from Lacamas Lake through a network of connector paths and trails running from future neighborhoods, schools, and places of employment.
- Create a trail connection between the west end of Leadbetter Road (future bicycle and pedestrian path) to the Heritage Trail through Camp Currie and across a new pedestrian-bicycle bridge over Lacamas Creek.
- Improve public access to the trail network and the lakeshore by providing additional trailheads and parking areas in key locations in the Lacamas Lake corridor.
- Install directional signage, maps, and mile markers along the lakeside trail system.



*Bicyclist on the west end of the Heritage Trail*

## II. Connect to the Existing and Planned Regional Trail Network

Provide connectivity between Lacamas Lake trails and the broader regional trail network.

### Recommended Actions:

- Connect the west end of the existing Heritage Trail to the proposed “Lake to Lake Trail” which will extend westward to Vancouver Lake.
- Connect the west end of the existing Heritage Trail to the proposed “Camp Bonneville Trail” which will extent northward to Camp Bonneville Regional Park.
- Connect the west end of the existing Heritage Trail to the proposed regional trail running southward to Fisher’s Landing on the Columbia River.
- Connect the east end of the Heritage Trail and the existing trail network in Lacamas Regional Park to the proposed regional trail corridor extending northward to Livingston Mountain.

## III. Provide Access and Facilities for Active Recreational Uses

Provide safe and convenient public access to Lacamas Lake for lake-oriented recreational uses such as fishing, boating, water play, and swimming and integrate recreational facilities such as ball fields, picnic areas, and play equipment into the future development pattern in the north shore area.

### Recommended Actions:

- Renovate the existing Washington Department of Fish & Wildlife boat launch on the north side of the lake and expand and improve or install related facilities such as parking, rest rooms, docks, and signage.
- Develop a new non-motorized boat launch and related facilities on the north shore near the upper end of the lake. This additional launch will help reduce crowding at other existing boat launches, better disperse boat use across the lake, provide direct lake access for north shore residents, and provide improved recreational access to the head the lake and Lacamas Creek.
- Promote development of a public or commercially run concession that would provide recreational rentals such as canoes, kayaks, standup paddle boards, paddle boats, bicycle, etc.
- Integrate a major sports field complex into the future development planned for the area to the north of Lacamas Lake.
- Install an accessible fishing dock or docks along the north shore of the lake to provide fishing access for those without a boat.



*Existing boat launch area in Heritage Park on a warm summer evening*



#### **IV. Preserve and Restore High Quality Native Habitats**

Lacamas Lake and the surrounding watershed provides outstanding habitat for native plant communities and wildlife. Key nature features such as riparian zones, mature conifer forest, wetlands, and prairies should be preserved and restored where possible, focusing on those areas closest to the lakeshore and areas that provide wildlife corridors.

##### Recommended Actions:

- Work to preserve and restore a substantial vegetated riparian zone and key wetland areas located along the north shore of the Lacamas Lake.
- Work to preserve mature conifer forest areas on the hillslopes to the north of the lake.
- Work with regional partners and landowners to preserve and restore high value prairie habitat in proximity to the existing Lacamas Prairie Natural Area.
- Provide vegetated corridors between conserved lands to allow movement of native wildlife.



*Lacamas Creek just above the lake*



*Paddlers enjoy water lilies and the preserved lakeside vegetation near the east end of Lacamas Lake.*

## **V. Improve the Water Quality of Lacamas Lake**

Lacamas Lake is a popular destination for boating, fishing, and swimming and the water quality of the lake should be improved to make these activities more enjoyable.

### Recommended Actions:

- Work with land owners and agricultural interests in the upper Lacamas Creek watershed to improve the quality of agricultural runoff flowing toward the lake.
- Preserve wetlands and key tributary streams as the area to the north of Lacamas Lake is developed and work with developers to implement low impact development practices.
- Preserve and enhance lakeshore vegetation to provide filtration and shade.

## **VI. Preserve the Visual Quality and Key Landmarks along the North Shore of Lacamas Lake**

The forested hillslopes of the north shore of Lacamas Lake provide a scenic backdrop to the community. Future conservation and urban development activities should carefully planned to maximize protection of the visual resources of the area. Preservation of historic structures and installation of heritage markers or interpretive signs will help residents understand and appreciate the human and natural history of the lake.

### Recommended Actions:

- Identify highly visible areas along the north shore of the lake and pursue possible acquisition or purchase of conservation easements on key parcels.
- Work with land owners and developers to conserve natural vegetation and tree cover as the area is developed in the future.
- Provide public access to a viewpoint atop Green Mountain which affords outstanding views of the surrounding landscape including a vista to Mount Hood.
- Orient public roads and site future parks to preserve vistas to the lake and natural features such as Mount Hood.
- Preserve the iconic Leadbetter House along the north shore of Lacamas Lake as a monument to the area's history and consider utilizing the house as a public facility in the future.
- Install heritage markers and interpretive signage at key locations along north shore of the lake.



*The historic Leadbetter House viewed from the Heritage Trail*

# North Shore Lacamas Lake

## Conservation and Recreation Vision Map

### Legend

- Lakes
- Major Rivers and Streams
- City of Camas Urban Growth Area (UGA)
- Major Roads
- City Ownership (Camas and Vancouver)
- Clark County (Parks or Environmental Services)
- School District Ownership (Camas and Vancouver)
- State Ownership
- Columbia Land Trust Ownership
- Existing Soft-Surface Recreational Trails
- Existing Trailhead with Parking
- Existing Boat Launch Area

### Potential Future Trails, Conservation Opportunities, and Planned Facilities

- Proposed Bicycle/Pedestrian Path (road conversion)
- Proposed Soft-Surface Trail
- Proposed Regional Trail Corridors (Intertwine)
- Proposed New Bridge or Boardwalk
- Potential Future Public Facility
- Proposed Trailhead with Parking
- Conservation Opportunity (habitat and viewshed)
- Proposed Sports Field Complex
- Potential New Boat Launch Area

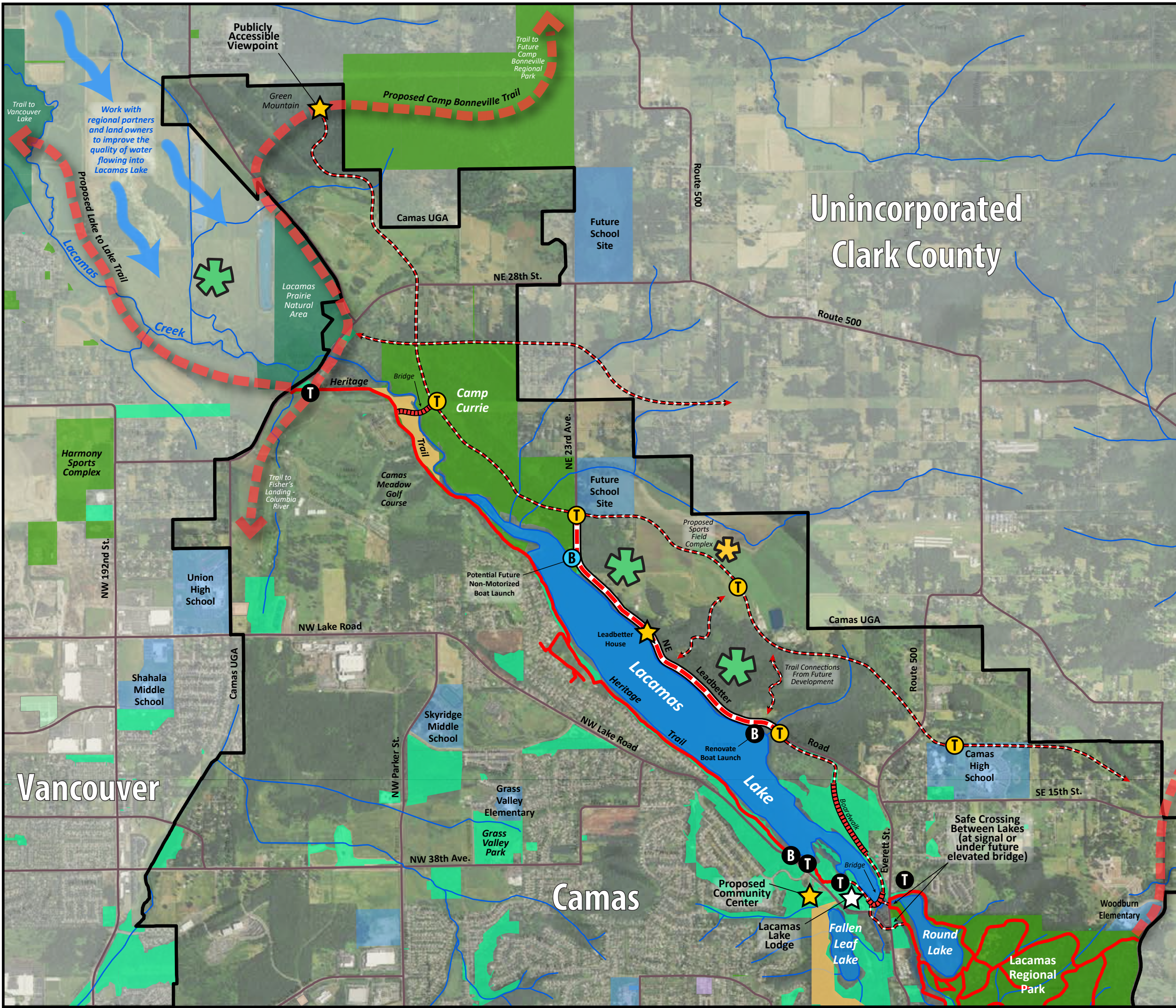
*This vision map reflects concepts and facilities proposed by various conservation and recreation organizations and is intended to serve as a conceptual framework to guide future recreational trail and conservation planning efforts on and around the north shore of Lacamas Lake. The locations of proposed trail corridors and facilities are conceptual. The vision is non-regulatory and subject to voluntary land owner participation.*

**DRAFT**  
September 22, 2016

Map Prepared Jeff Krueger in conjunction with the City of Camas and the Columbia Land Trust

0 1,000 2,000 Feet  
Scale

= 5 Acres





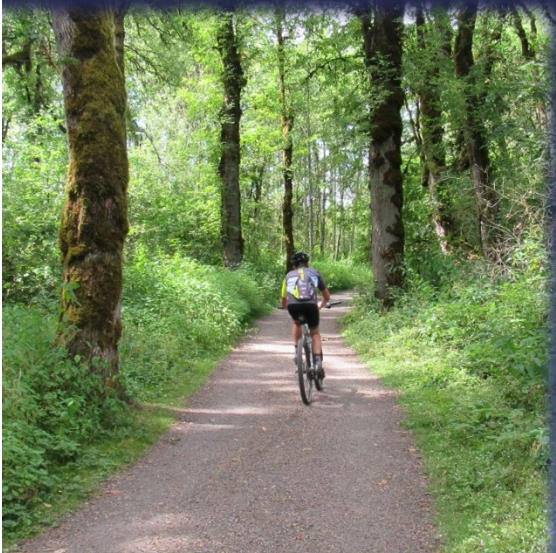
## Lacamas Lake – North Shore Conservation and Recreation Vision

January 27, 2017

Jerry Acheson (City of Camas)  
Dan Roix (Columbia Land Trust)  
Jeff Krueger (JK Environments)

# Presentation Outline

1. Purpose of creating a vision
2. Existing plan and policy direction for Lacamas Lake
3. Draft Lacamas vision map and guiding principles
4. Questions and feedback
5. Example of vision map and use



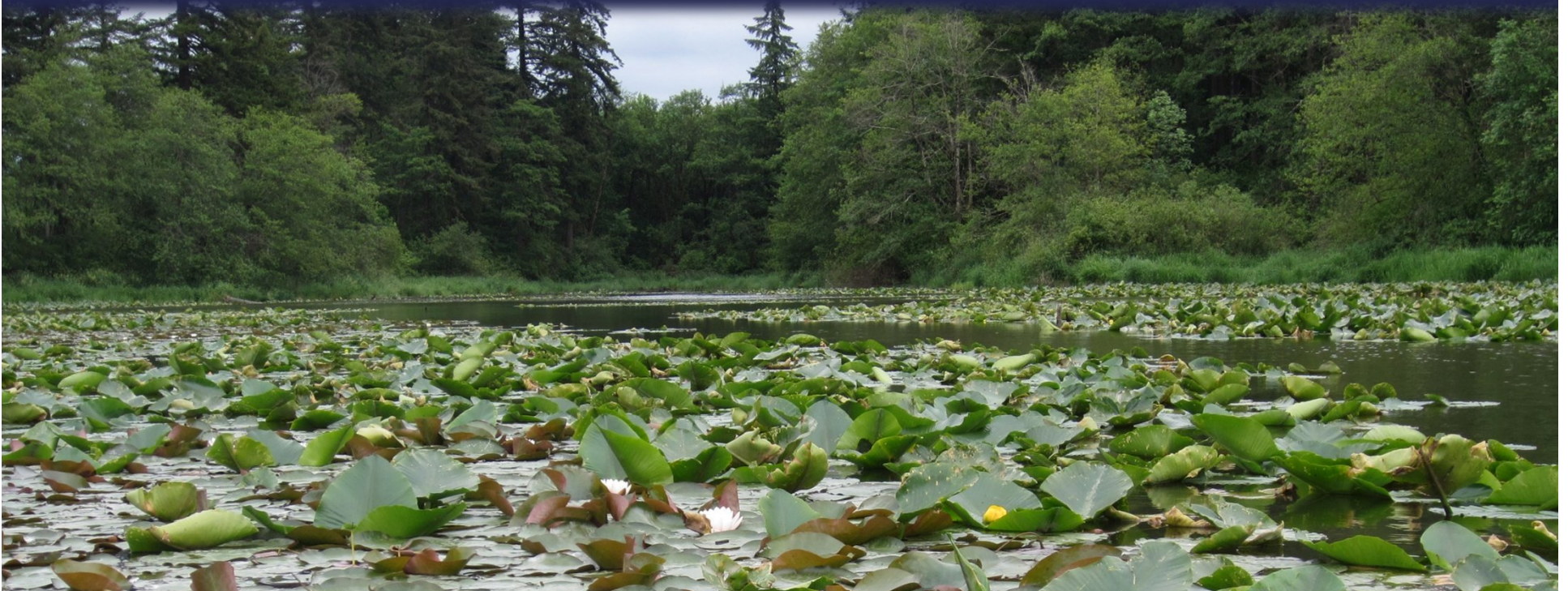
# Purpose of a Vision

- Build Consensus Among Partners and Helps Prioritize Conservation Actions and Recreational Facilities
- Depict a Clear and Exciting Vision
  - Partners
  - Elected Officials
  - Land Owners
  - Donors
- Supports Implementation of Existing Plans
- Support Funding Requests (\$\$\$)



# Planning Direction for Lacamas Lake

- Clark County Conservation Areas Action Plan (2014)
- Lacamas Corridor Master Plan (City of Camas, 2001)
- City of Camas Parks, Recreation, and Open Space Comp Plan (2014)
- Camas Zoning Code
- Bi-State Regional Trails Plan (2014)

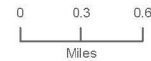


# Lacamas (lower)

## Clark County Conservation Area Acquisition Plan

### Legend

- High Value Conservation Lands
- Project Area Boundary
- Protected Lands**
- Clark County
- Municipal
- USFWS
- US Forest Service
- Other Federal
- State Conservation
- WA DNR
- Other State Lands
- Private Conservation
- Interstates
- State Highways
- Roads
- Rivers & Creeks
- Lakes

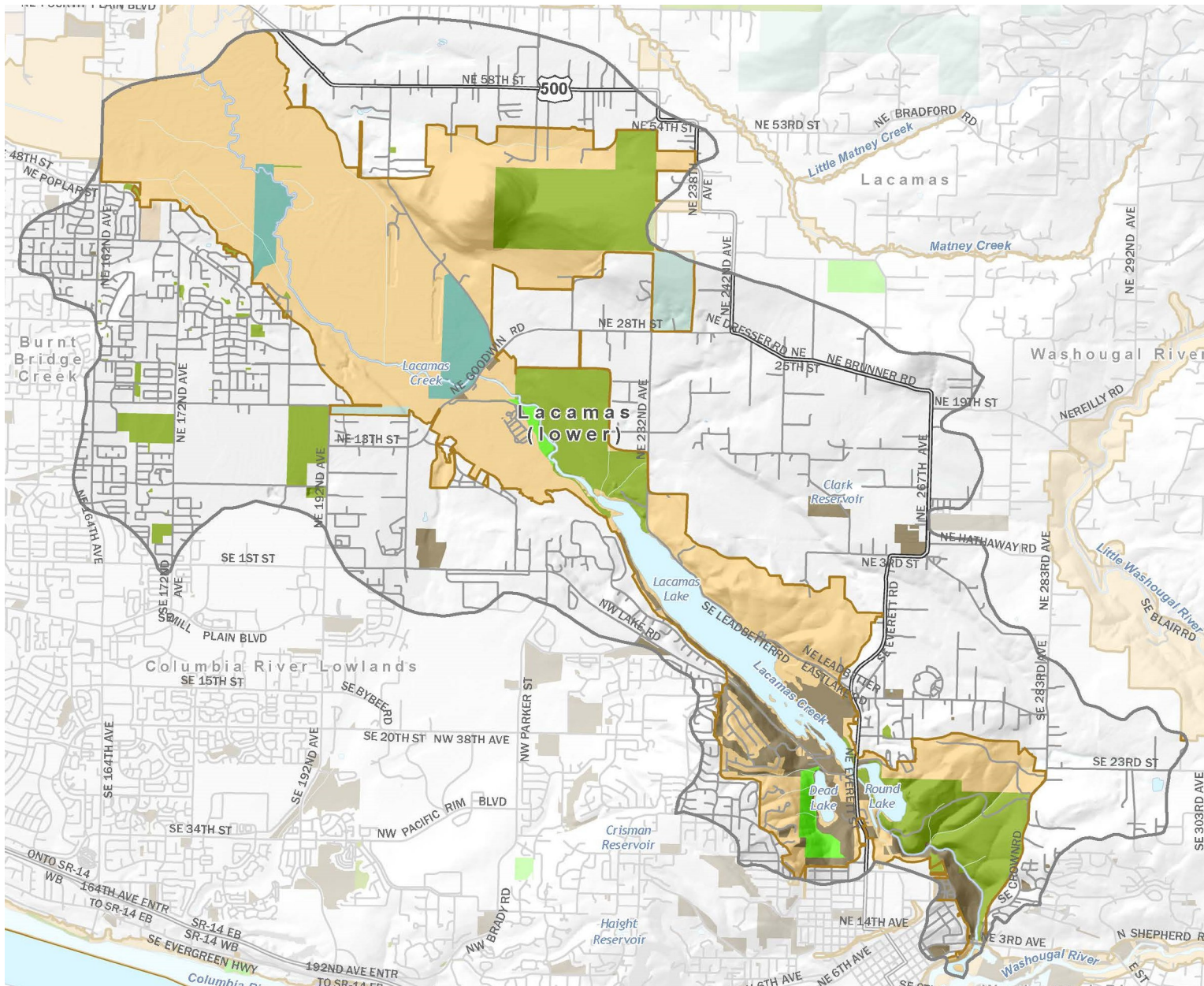


November 27, 2013  
Data: Clark County, CLT, WSDOT, USGS

Aggregate benefit boundaries depicted on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be needed to confirm/verify information.

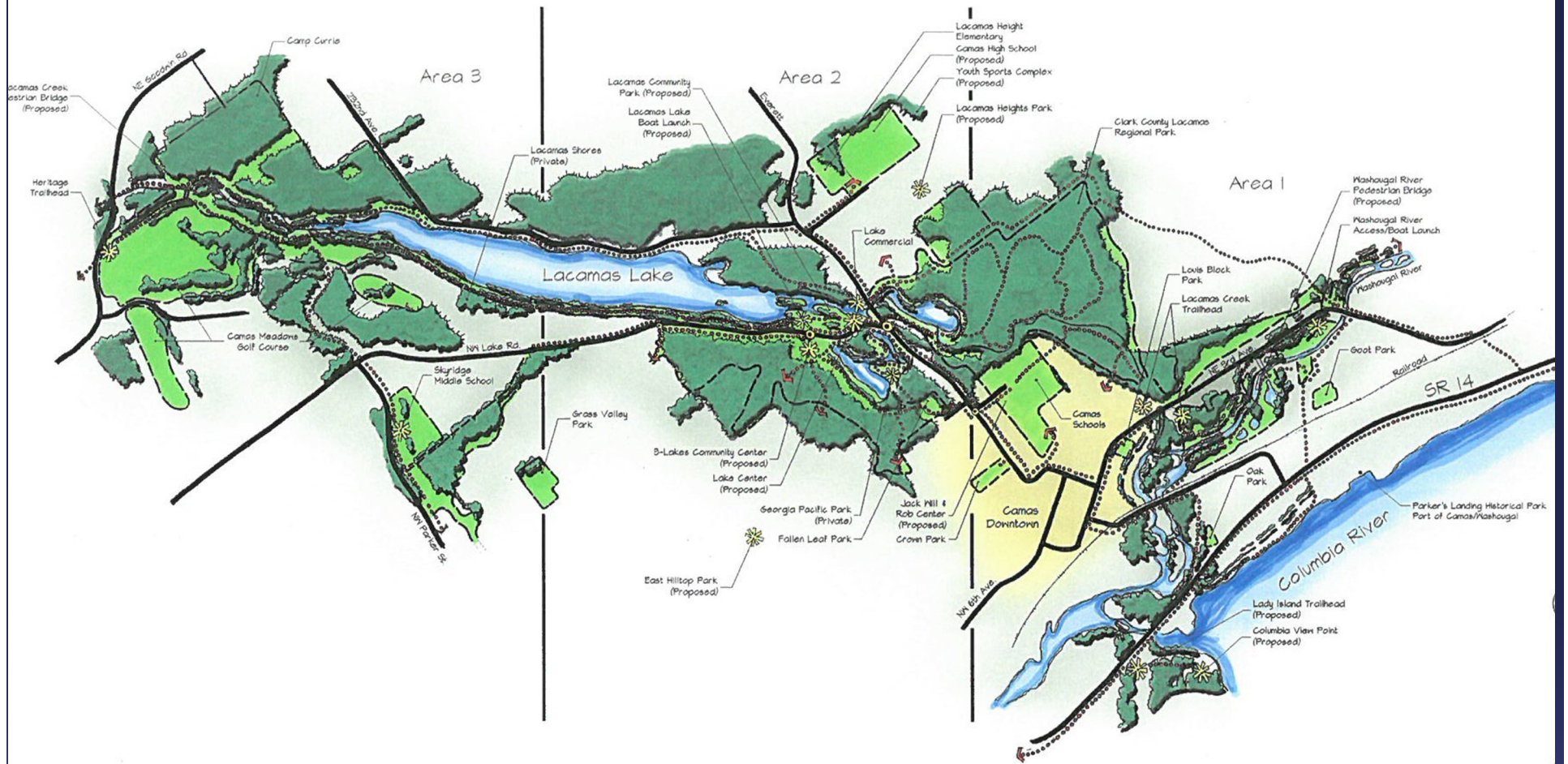


Plan produced by Columbia Land Trust  
Cartography by www.co.regis.net

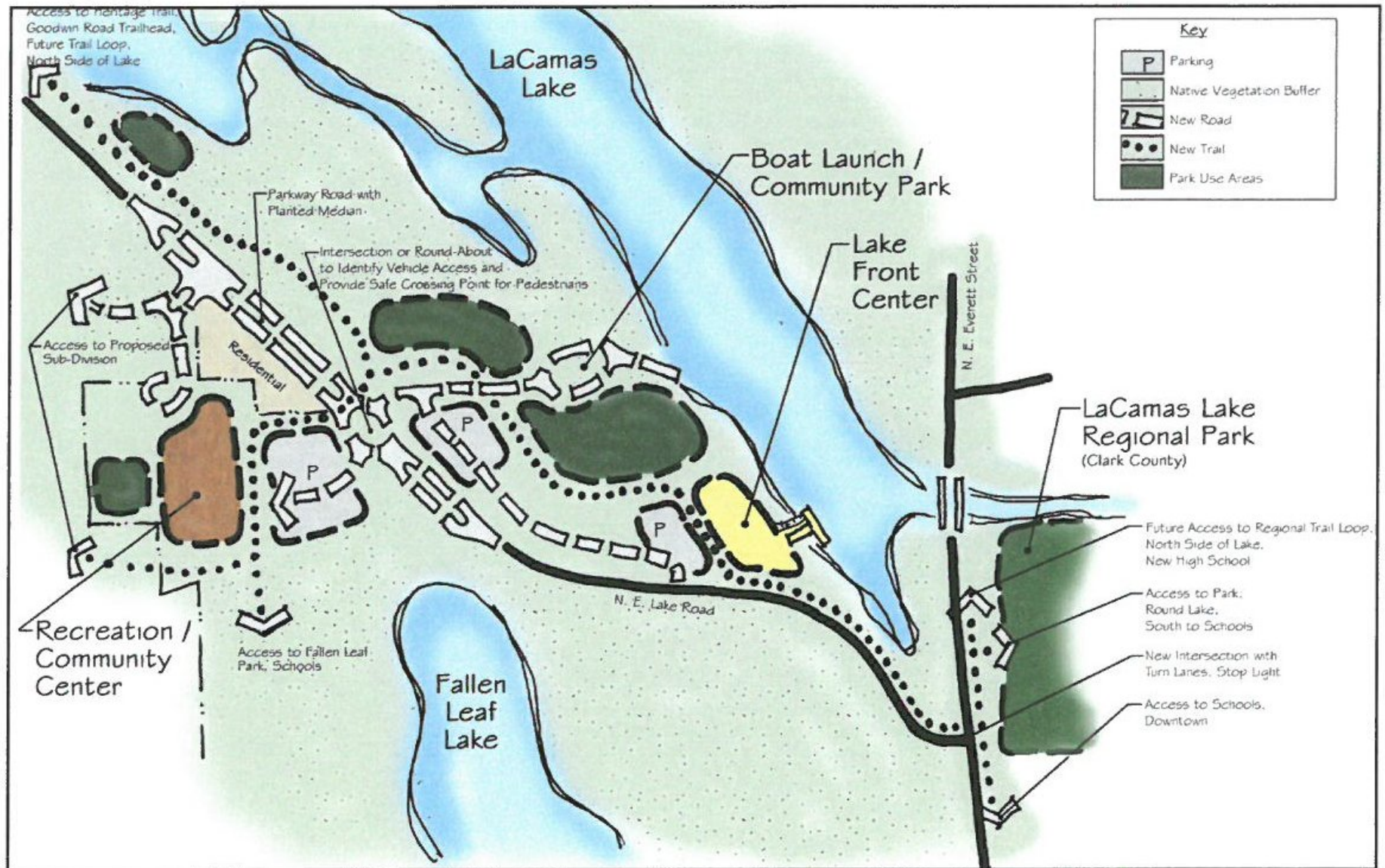


# Clark County Conservation Areas Acquisition Plan (2014)

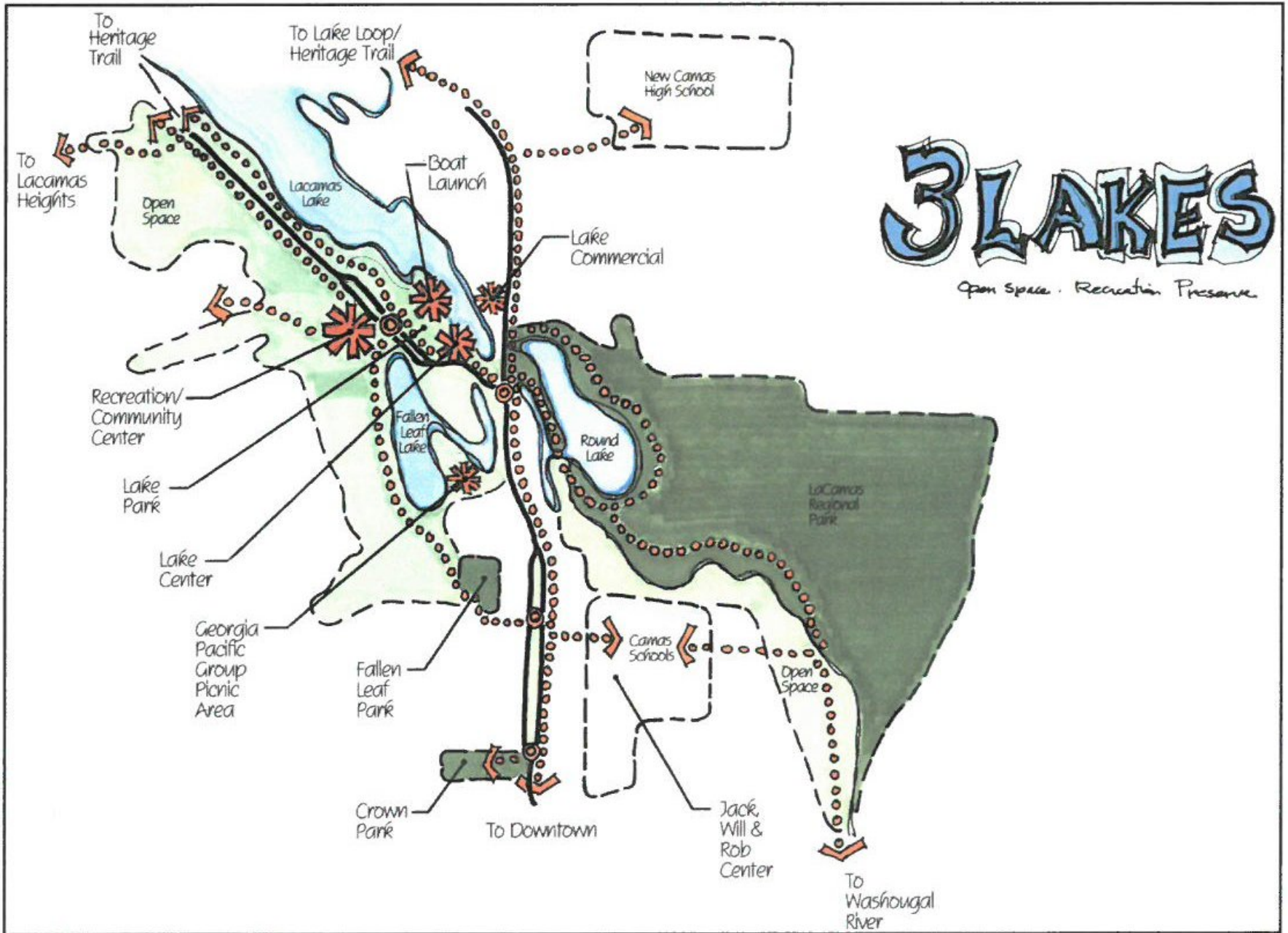




# Lacamas Corridor Master Plan (October 2001)



# Concept Plan



# 3 LAKES

Open Space · Recreation · Preserve



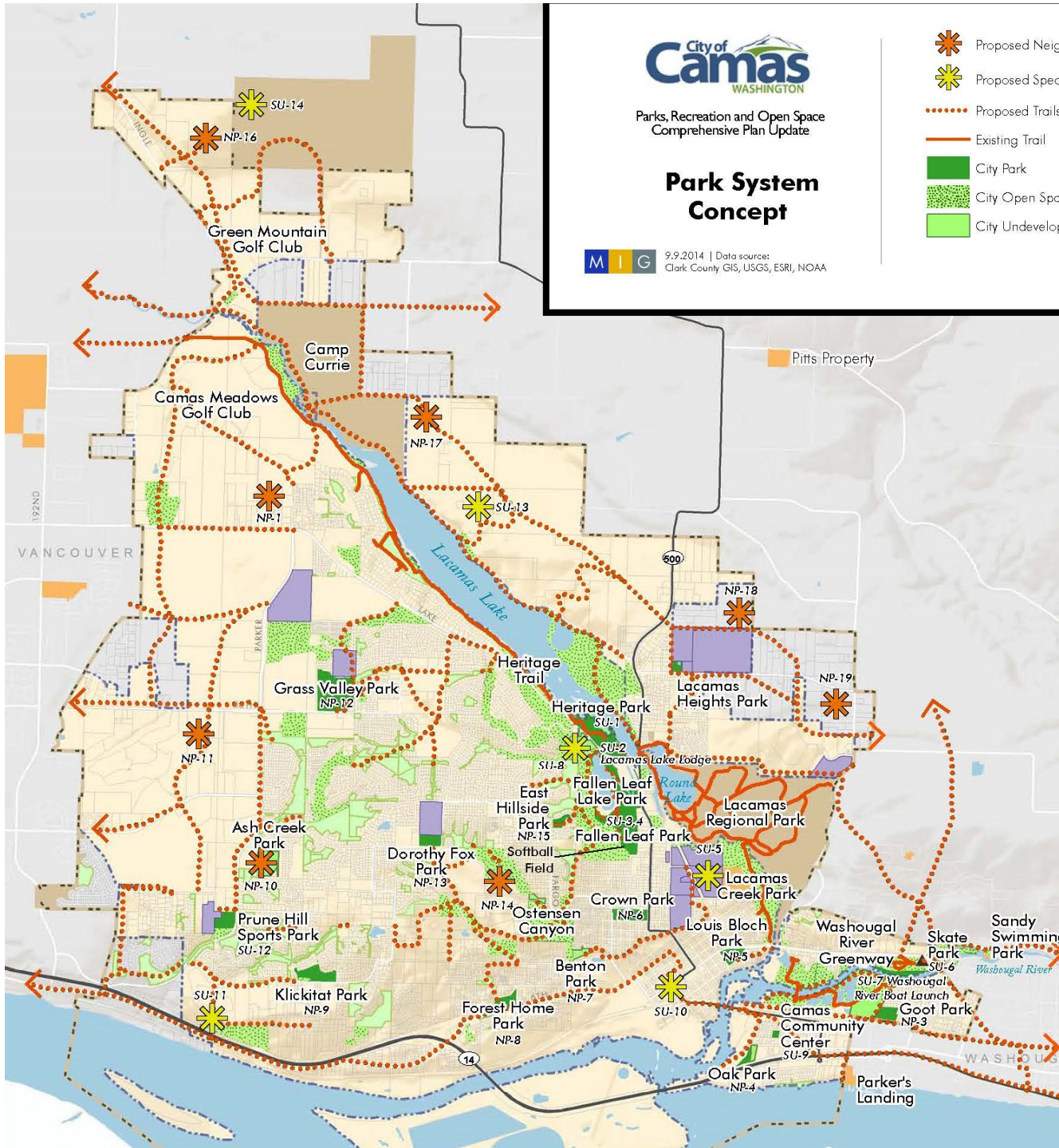
Parks, Recreation and Open Space  
Comprehensive Plan Update

### Park System Concept



9.9.2014 | Data sources:  
Clark County GIS, USGS, ESRI, NOAA

- Proposed Neighborhood Park
- Proposed Special Use Park
- Proposed Trails
- Existing Trail
- City Park
- City Open Space
- City Undeveloped Park
- Private / HOA Open Space
- Other Park
- County Park
- School
- Water
- Camas UGA Boundary
- City of Camas
- Taxlots
- Other City
- Highway



# City of Camas PROS Comprehensive Plan (2014)



Parks, Recreation and Open Space  
Comprehensive Plan Update

## Trail System Concept

9.9.2014 | Data source:  
Clark County GIS, USGS, ESRI, NOAA

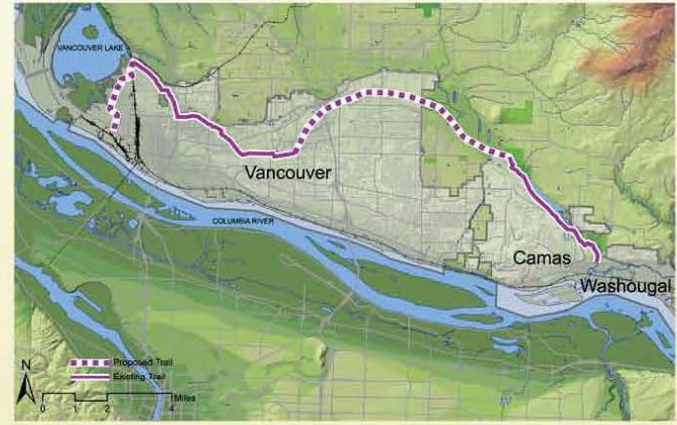
- Primary Trailhead
- Secondary Trailhead
- Existing Trail System
  - City Trail
  - Other Trail
- Proposed Trail System
  - Proposed Trails
  - Other Trail
- City Park
- City Open Space
- City Undeveloped Park
- Private / HOA Open Space
- Other Park
- County Park
- School
- Water
- Camas UGA Boundary
- City of Camas
- Taxlots
- Other City
- Highway

0 0.5 1 Miles



# City of Camas PROS Comprehensive Plan (2014)

# Lake to Lake Trail



**LAKE TO LAKE TRAIL - 22.3 MILES**  
 Develop a continuous east-west trail connection along the Burnt Bridge Creek and Lacamas Creek Greenways to provide access for people to travel from Vancouver Lake to Lacamas Lake.

- TRAIL FACTS:**
- Connects neighborhoods with employment centers and schools in Vancouver and Camas.
  - Joins two premier trails in Clark County for pedestrians and bicycle using 11.5 miles of existing trails.
  - Provides people with the opportunity to learn about two significant greenway ecosystems in Clark County.
  - Connects with the Camp Bonneville, Battle Ground-Fisher's Landing Trail, I-205, and I-5 Regional Trails.

**PARTNERS:**  
 City of Camas, City of Vancouver, Clark County, Vancouver Watersheds Council, Bonneville Power Administration

Portland-Vancouver

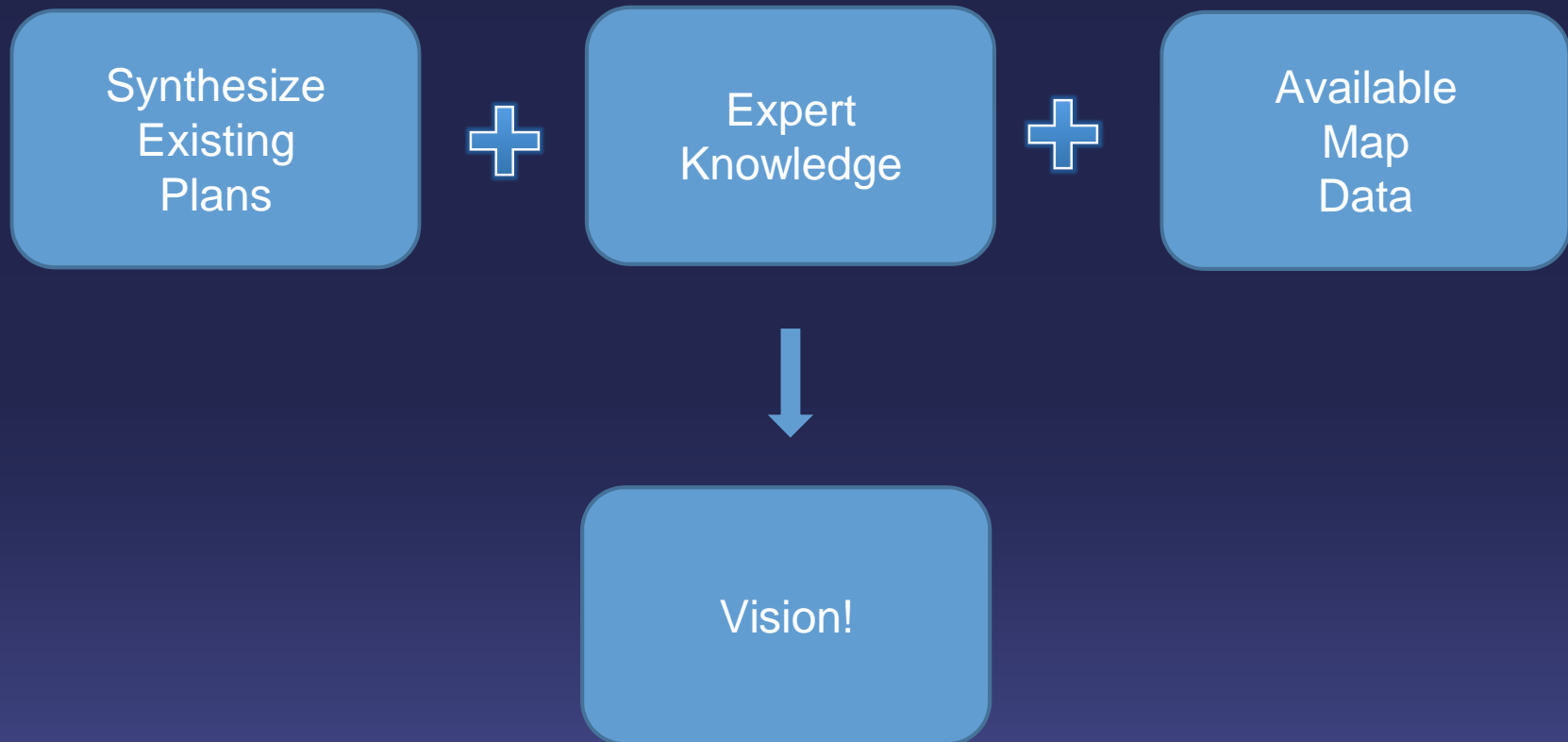
## BI-STATE REGIONAL TRAILS SYSTEM PLAN

The BI-State Regional Trails System Plan will be used to identify, plan for and fund the next generation of trail development in the Portland, Oregon and Vancouver, Washington metropolitan region. To find out more visit [www.theintertwine.org](http://www.theintertwine.org)



# Bi-State Regional Trails System Plan (2014)

# Creating a Conservation and Recreation Vision for the North Shore of Lacamas Lake



Expert  
Knowledge

## Vision Exercise with Local Experts Held on May 17, 2016

Vision Exercise: Please describe (in two minutes or less) what you imagine the north shore of Lacamas Lake to be like under your 30-year “perfect world” scenario. This can be from your personal perspective, your organizational perspective, or both.

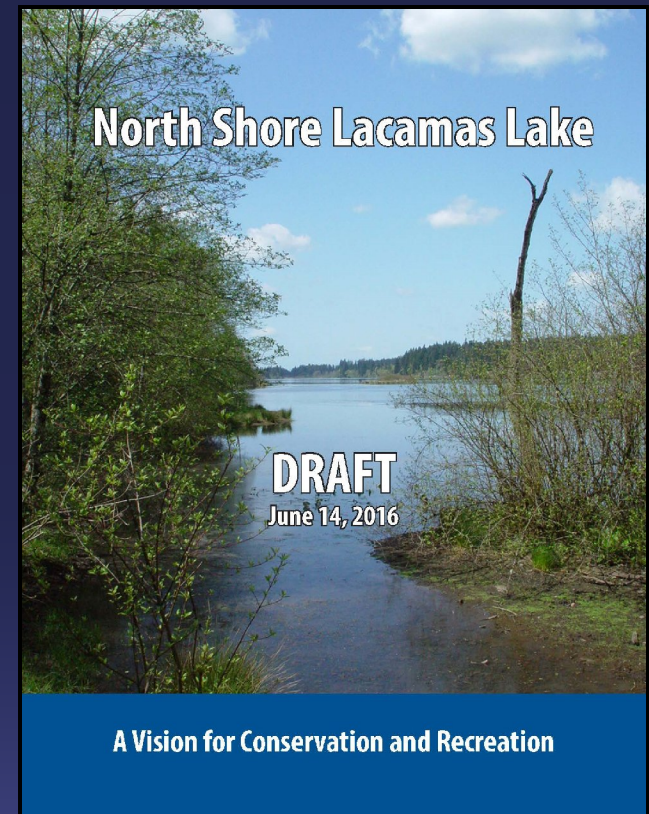
### Camas Parks Commission

- Eunice Abrahamsen
  - Juli Bradley
  - Randy Curtis
  - David Gast
  - Steve Lorenz
  - Cassi Marshall
  - Sean Vergillo
- ✓ Reviewed Vision: Spring 2016
  - ✓ Endorsed Vision: Summer 2016



# Guiding Principles for North Shore Conservation and Recreation

1. Accommodate recreational trails and promote bicycle and pedestrian connectivity
2. Connect to the planned regional trail network
3. Provide access and facilities for active recreational uses
4. Preserve and restore high quality native habitats
5. Improve the water quality of Lacamas Lake
6. Preserve the visual quality and key landmarks along the north shore of Lacamas Lake



# North Shore Lacamas Lake

## Conservation and Recreation Vision Map

### Legend

- Lakes
- Major Rivers and Streams
- City of Camas Urban Growth Area (UGA)
- Major Roads
- City Ownership (Camas and Vancouver)
- Clark County (Parks or Environmental Services)
- School District Ownership (Camas and Vancouver)
- State Ownership
- Columbia Land Trust Ownership
- Existing Soft-Surface Recreational Trails
- Existing Trailhead with Parking
- Existing Boat Launch Area

### Potential Future Trails, Conservation Opportunities, and Planned Facilities

- Proposed Bicycle/Pedestrian Path (road conversion)
- Proposed Soft-Surface Trail
- Proposed Regional Trail Corridors (Intertwine)
- Proposed New Bridge or Boardwalk
- Potential Future Public Facility
- Proposed Trailhead with Parking
- Conservation Opportunity (habitat and viewshed)
- Proposed Sports Field Complex

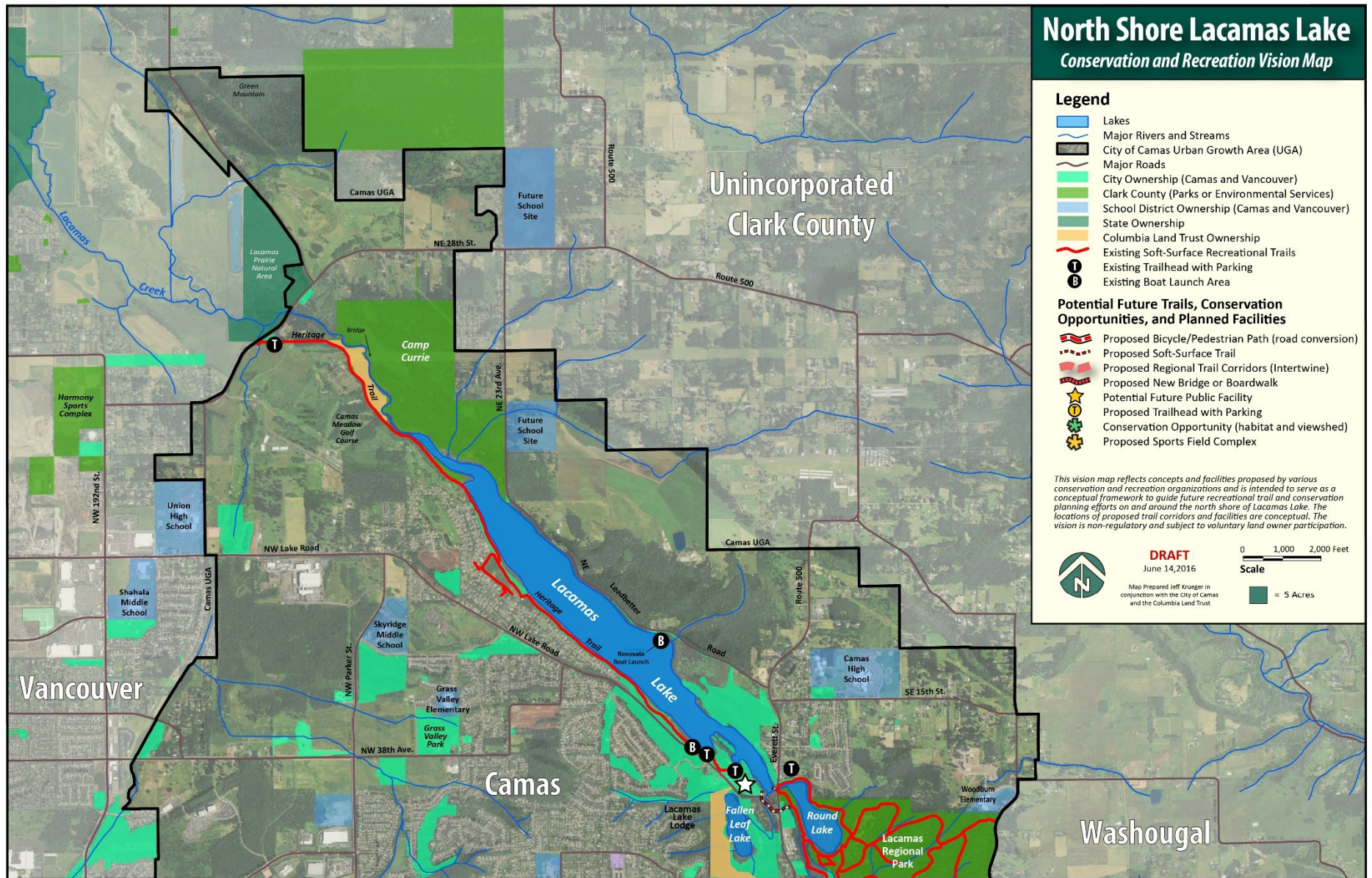
*This vision map reflects concepts and facilities proposed by various conservation and recreation organizations and is intended to serve as a conceptual framework to guide future recreational trail and conservation planning efforts on and around the north shore of Lacamas Lake. The locations of proposed trail corridors and facilities are conceptual. The vision is non-regulatory and subject to voluntary land owner participation.*



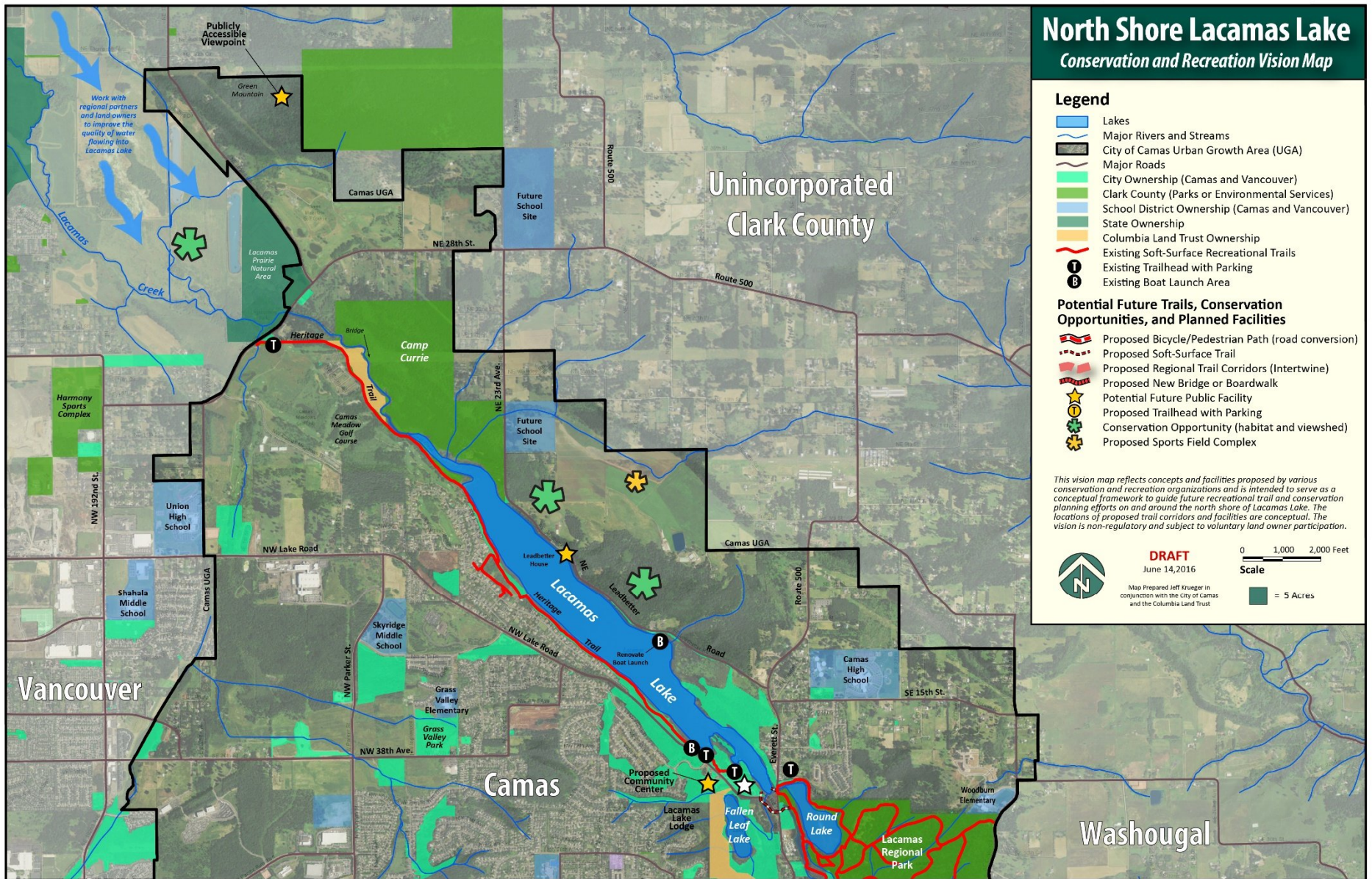
**DRAFT**  
June 14, 2016

0 1,000 2,000 Feet  
**Scale**

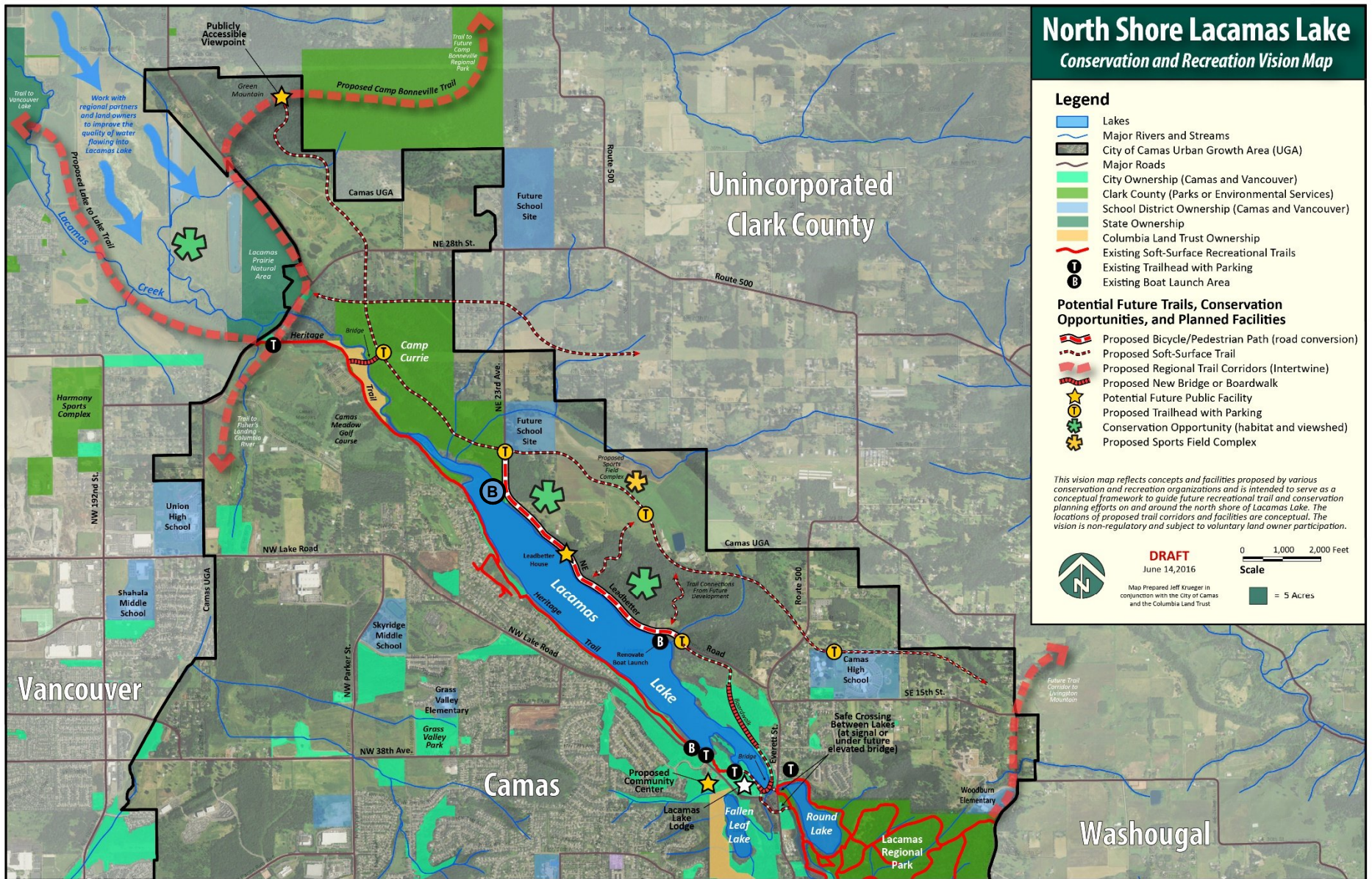
Map Prepared Jeff Krueger in conjunction with the City of Camas and the Columbia Land Trust  
 = 5 Acres



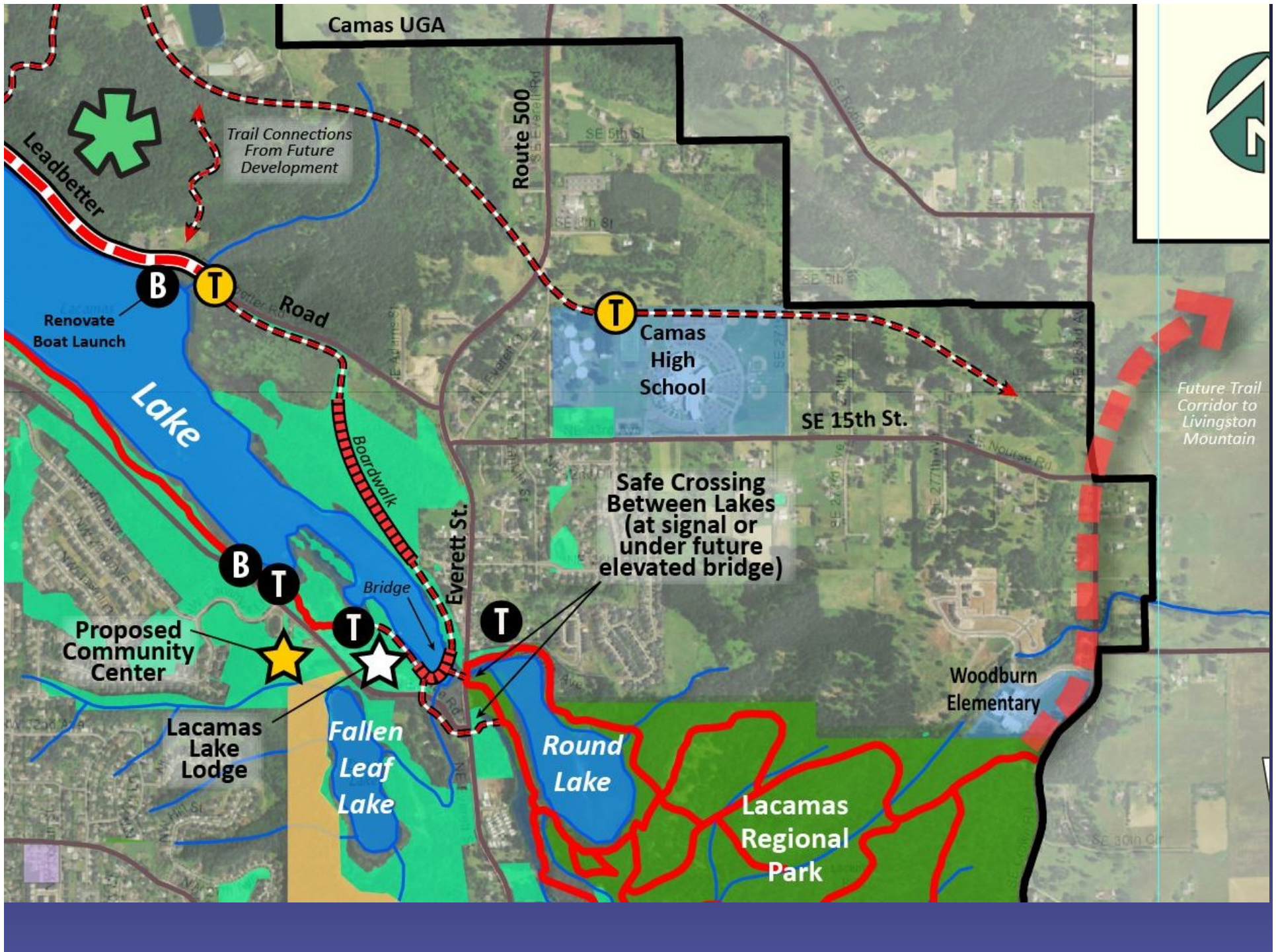
**Existing Conditions**

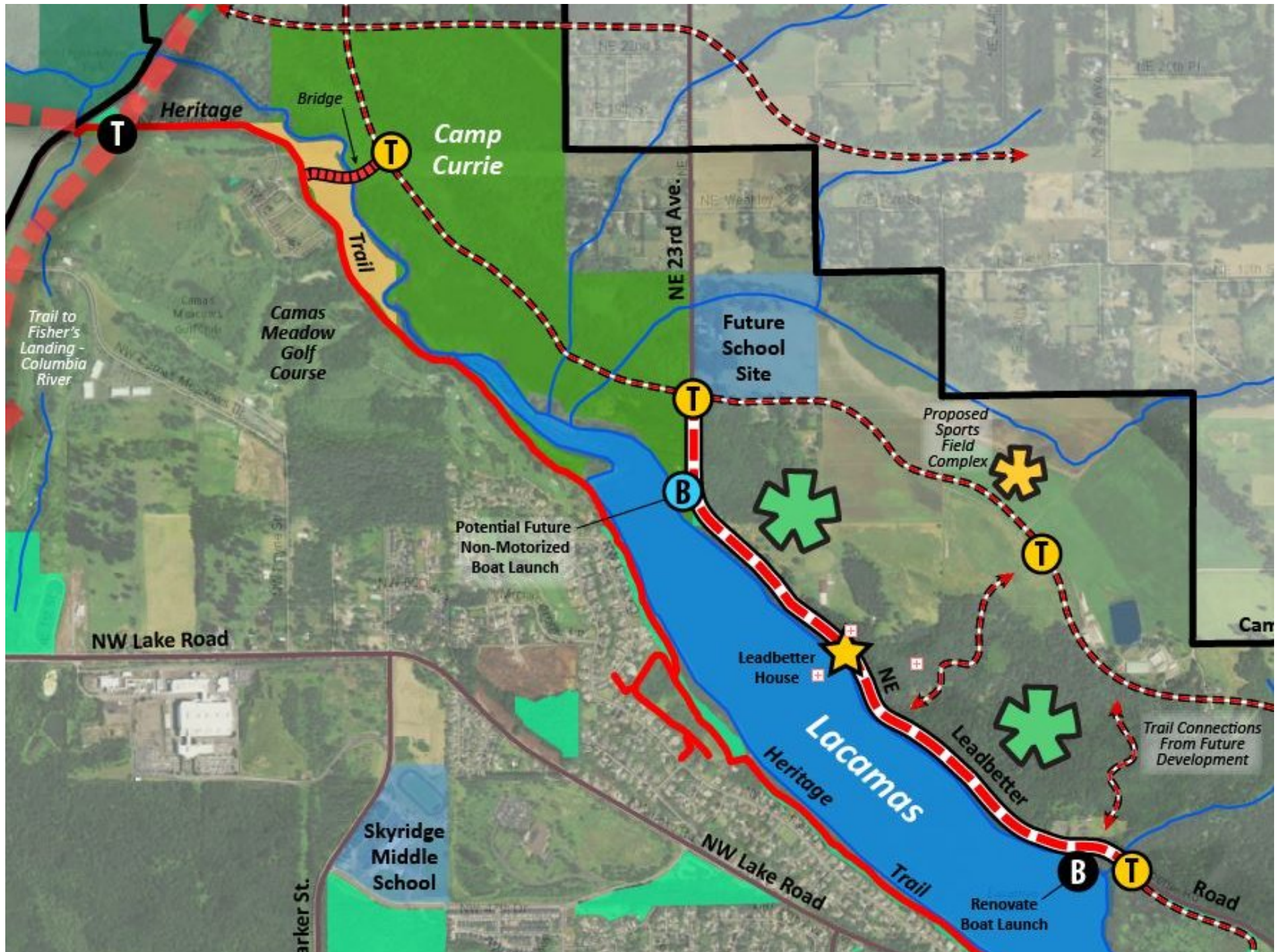


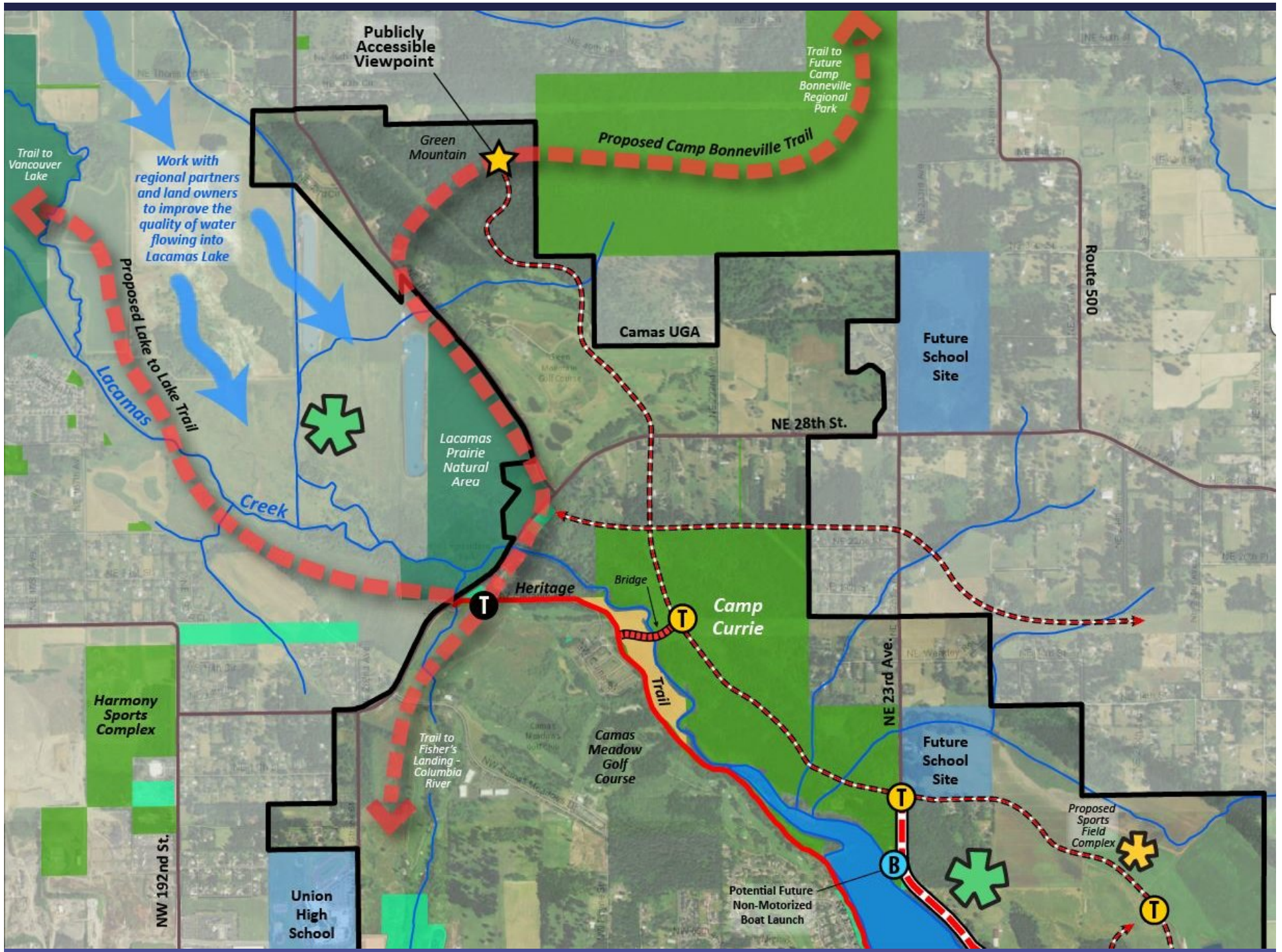
## Conservation Opportunities, Future Parks, and Facilities



# Trails and Regional Connections







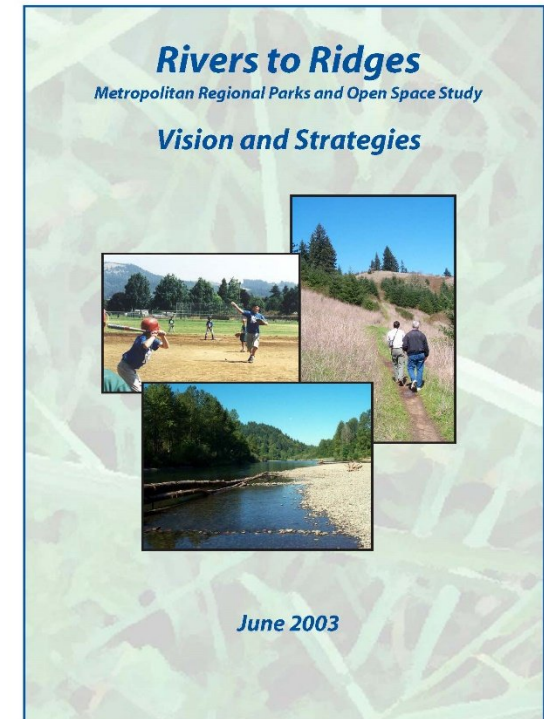


Thank you



# Rivers to Ridges Vision

- Eugene-Springfield, Oregon Area
- Non-Regulatory
- Voluntary Participation
- Endorsed by Elected Officials in 2003
- Partnership Effort

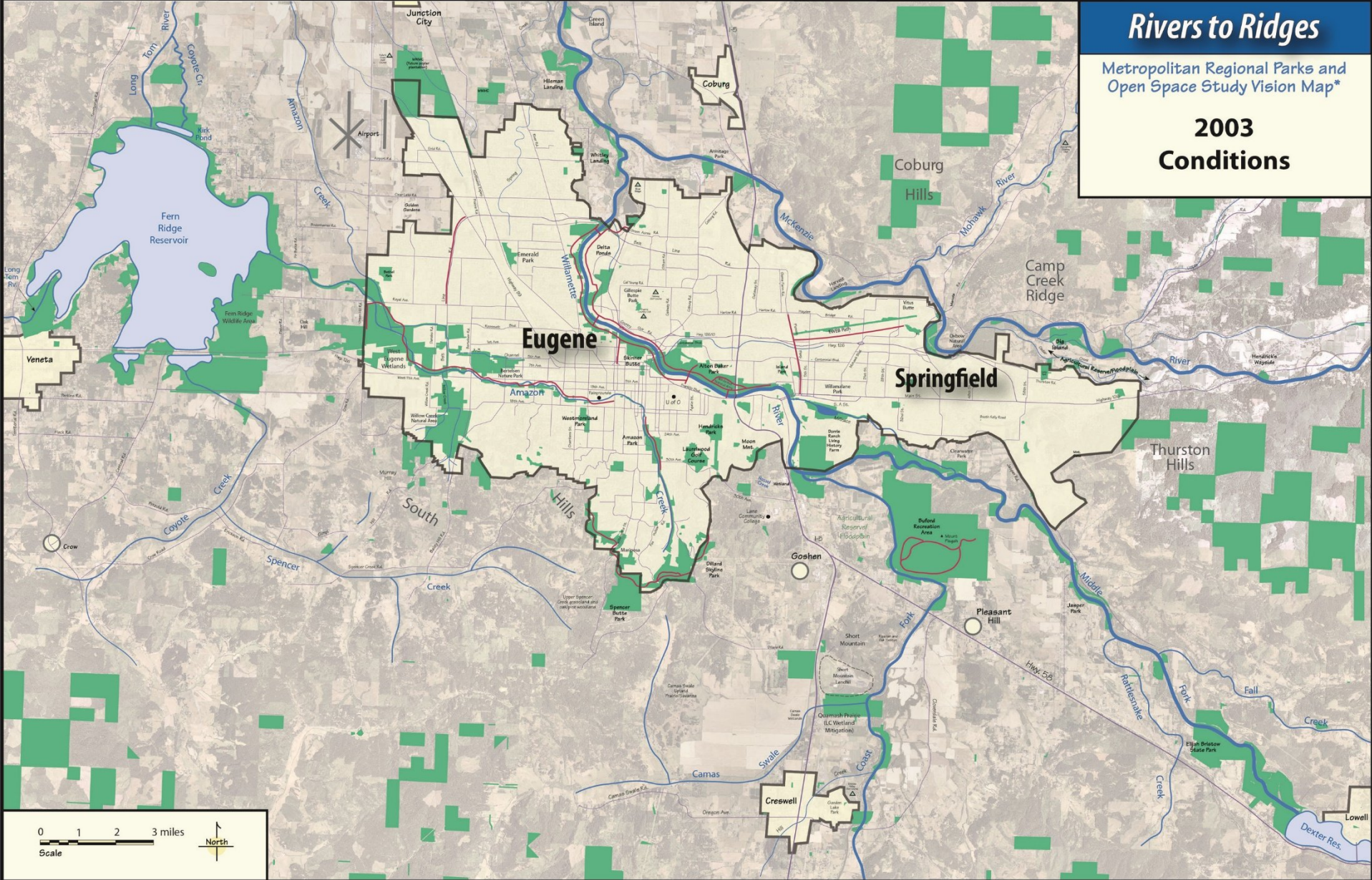


# 2003 Conditions

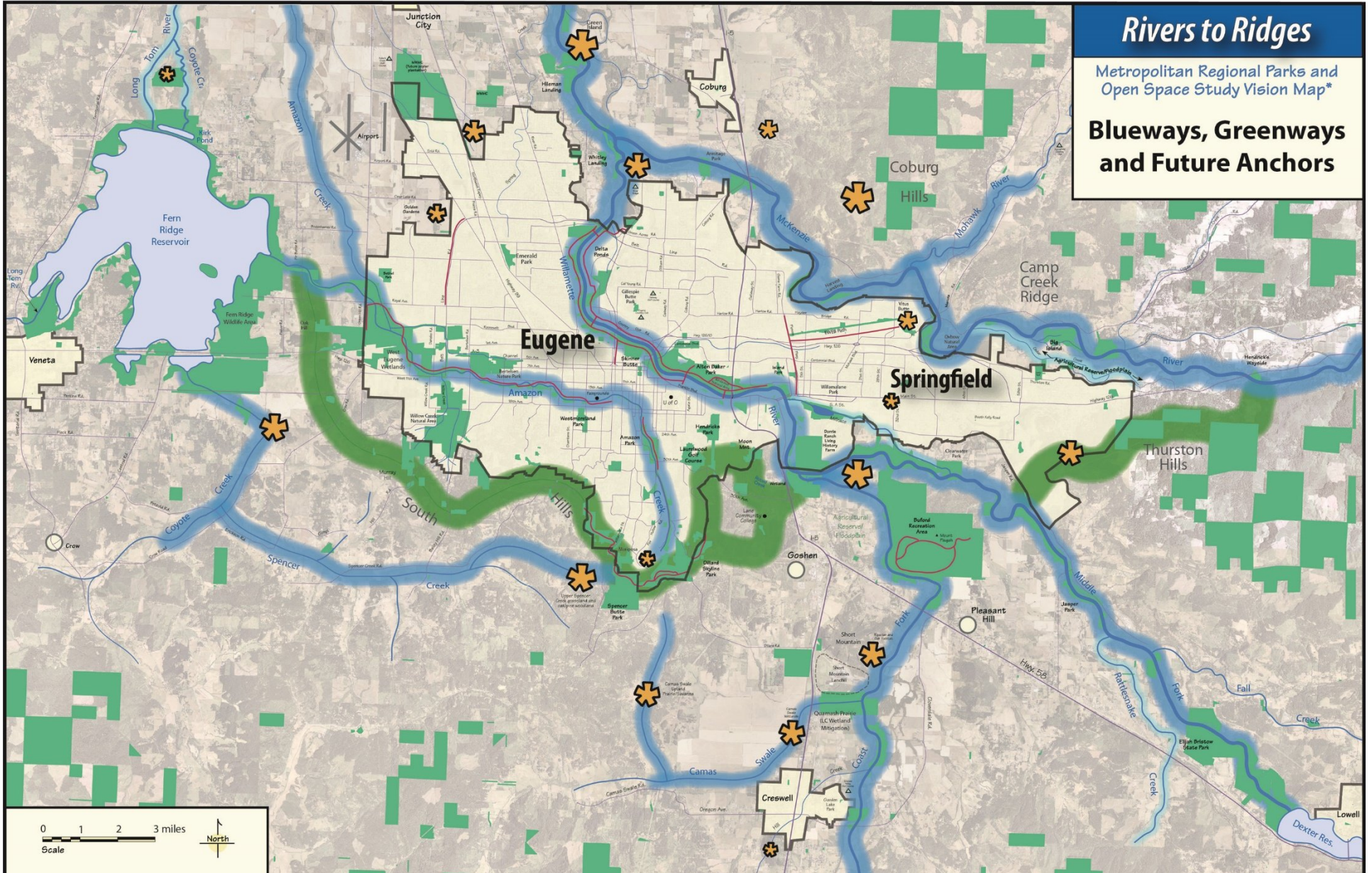
## Rivers to Ridges

Metropolitan Regional Parks and Open Space Study Vision Map\*

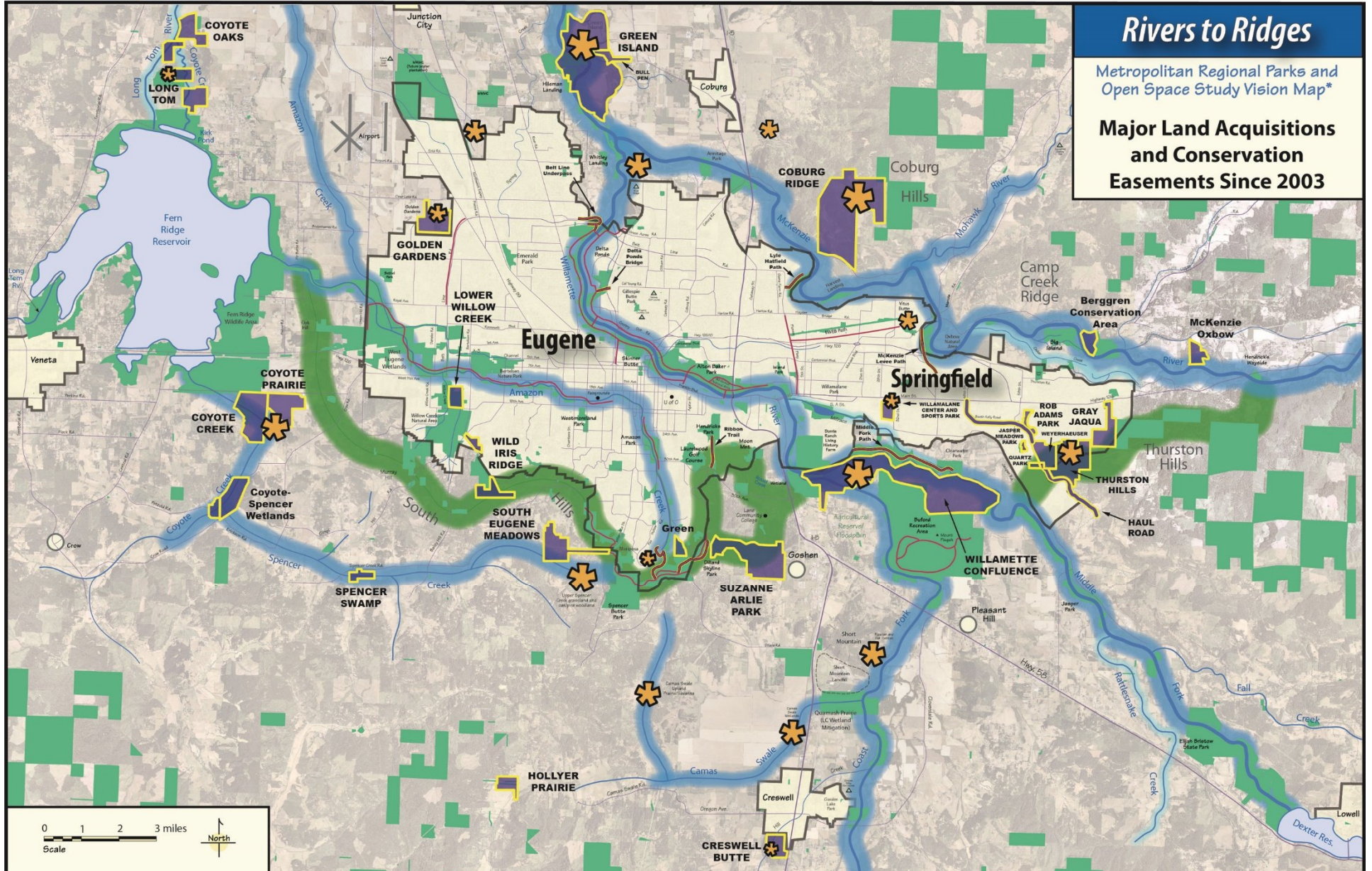
2003  
Conditions



# Rivers, Ridges, and Key Habitat Anchors



# Implementation of Shared Regional Vision



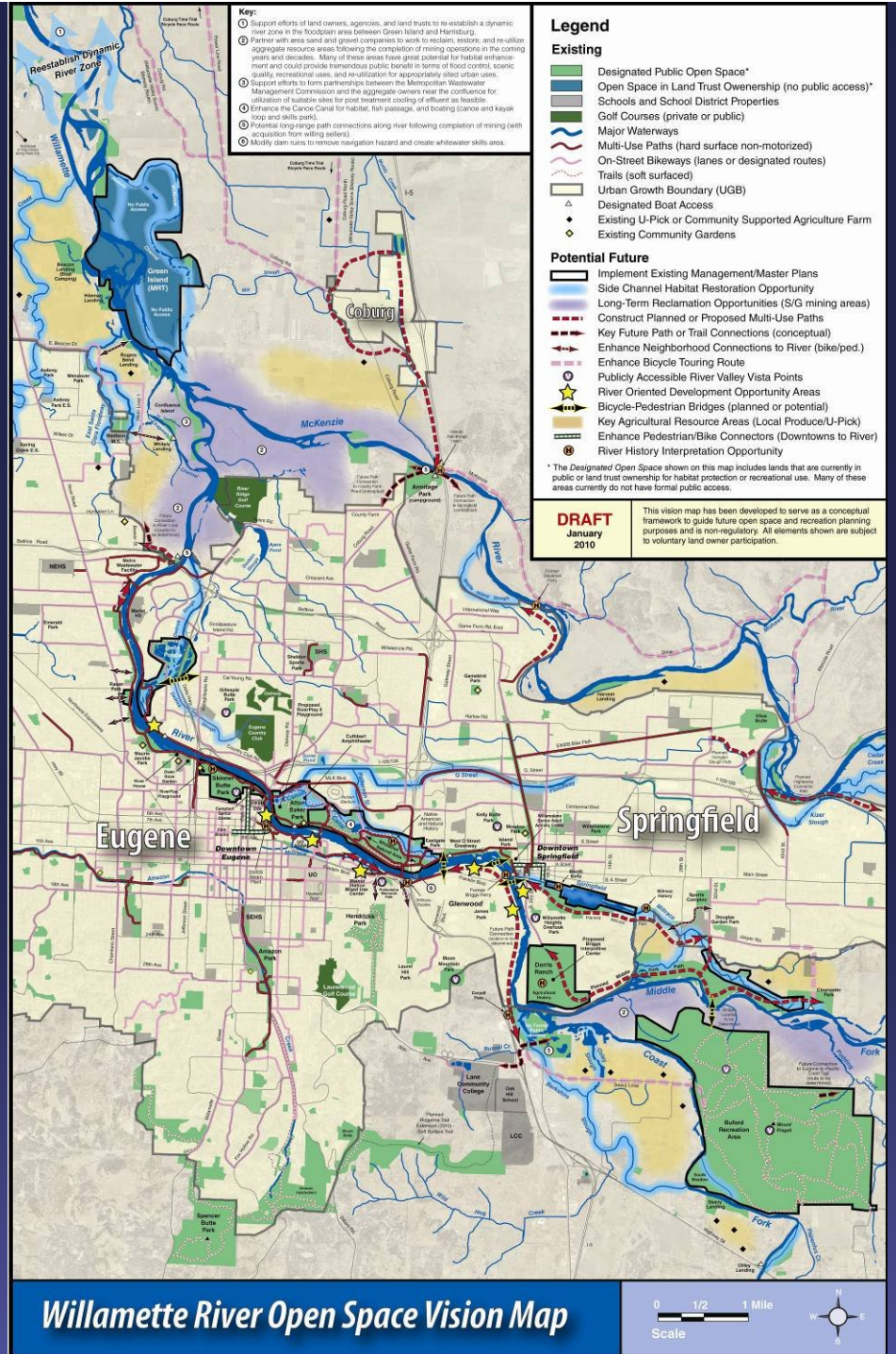
# Willamette River

## Open Space Vision and Action Plan

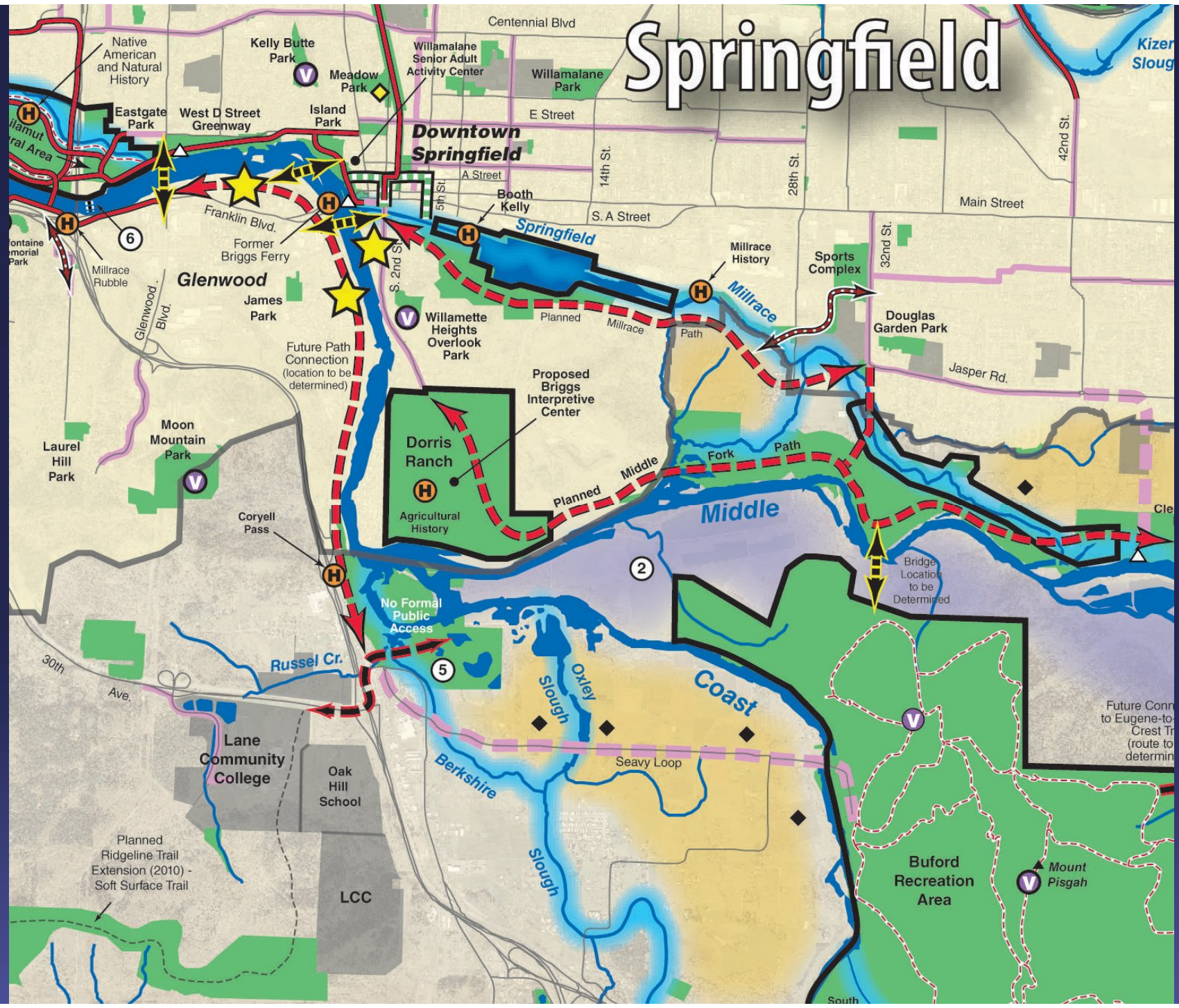


An Open Space Vision for the Willamette River  
in and around Eugene-Springfield, Oregon

Draft  
March 2010



# Springfield



# 2017 Community Development Work Plan/Update/Priorities





## 2015-16 Community Development Key Accomplishments

- Vision Process
- Camas 2035 Comp. Plan (Vision/Goal/Strategy)
- Capital Improvement Plan (Strategy)
- Parking Advisory Committee (Strategy/Action/Success)
- Marijuana retail sales, processing and growing (Action)
- Grading and Clearing Code (Action)
- Airport Overlay Zone (Action)
- Green Mountain PRD (Action/Success)



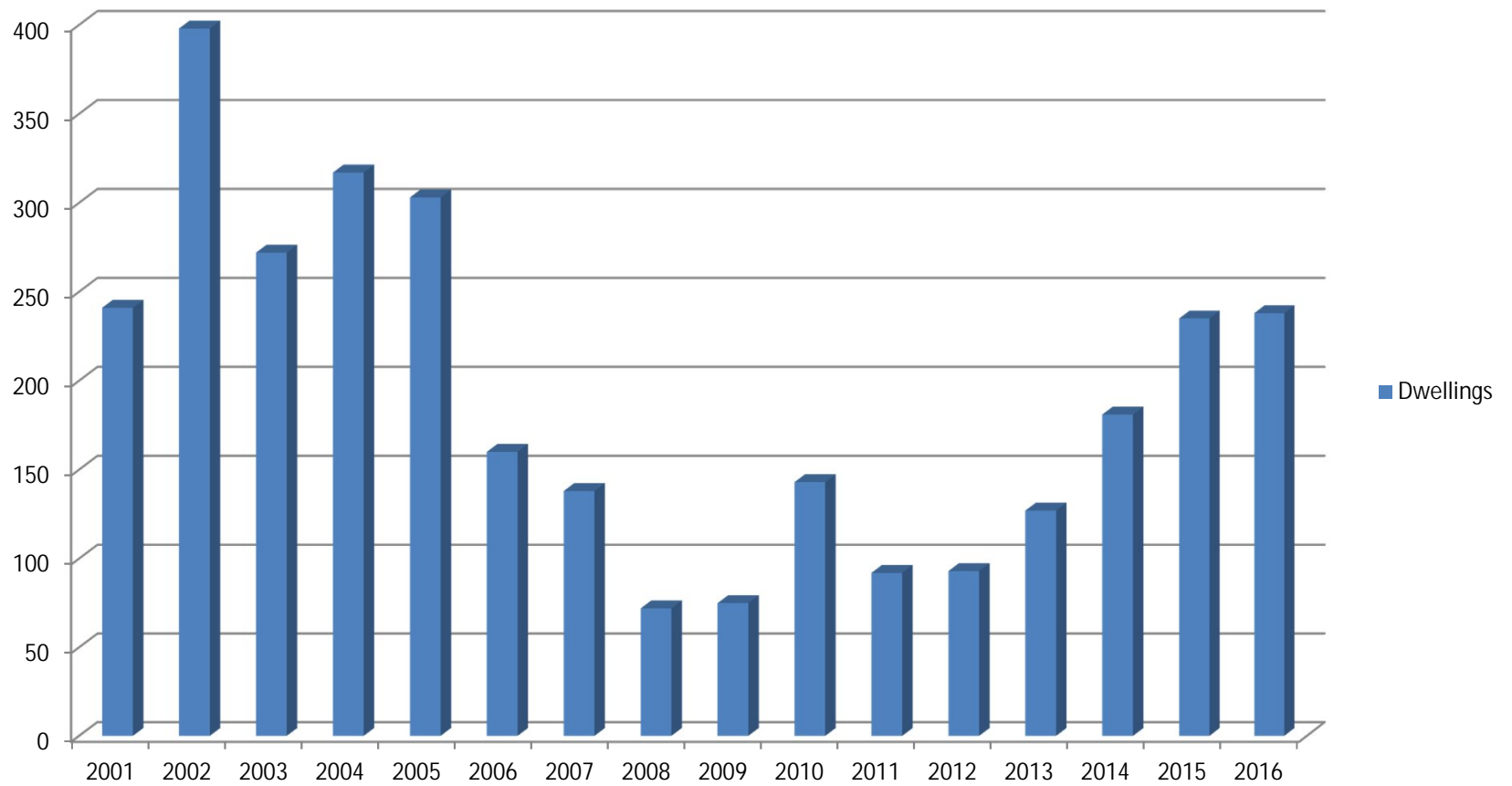


## 2017-18 Community Development Goals and Initiatives

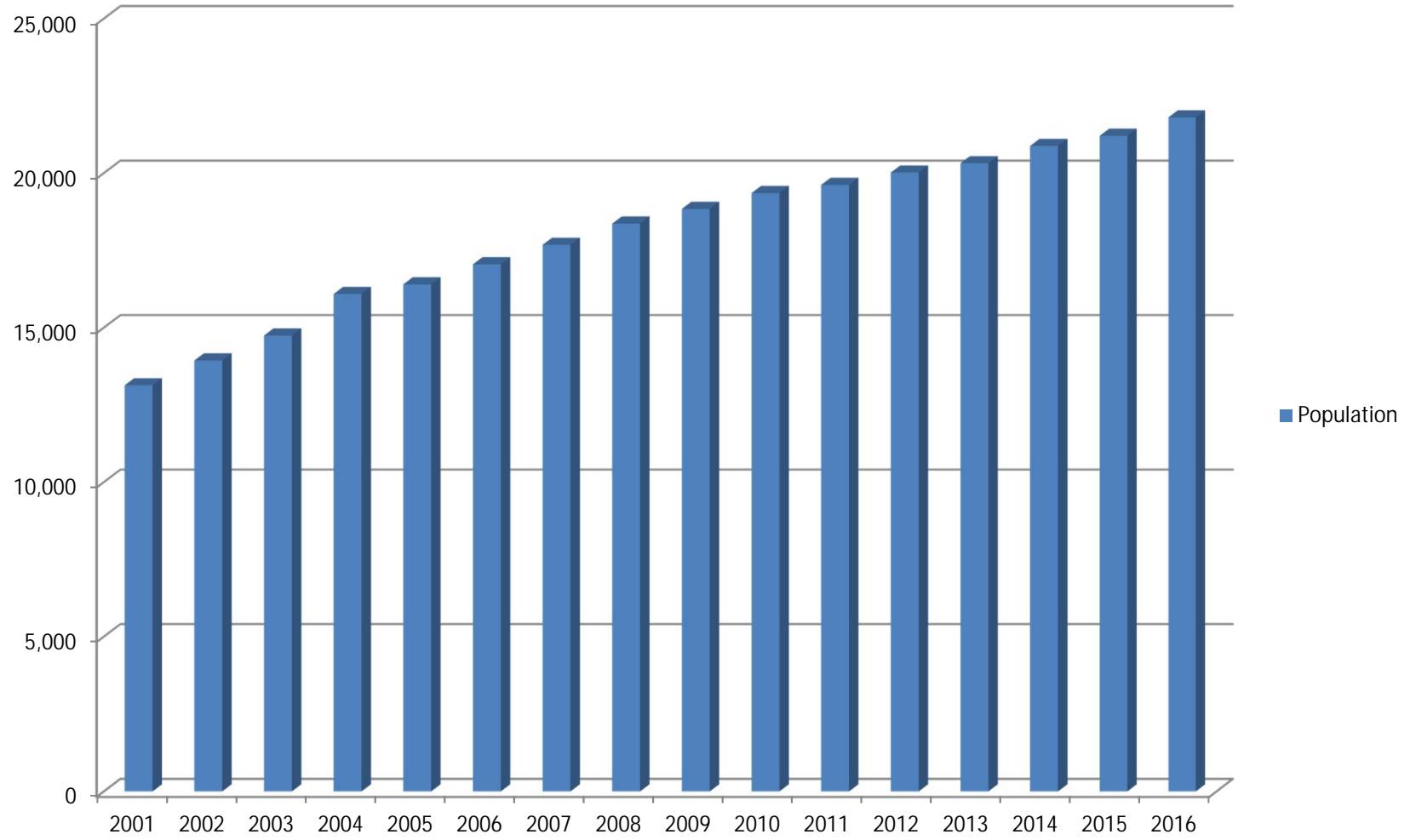
- Grass Valley/North Dwyer Creek (Sub-area plan)
- Telecommunication Ordinance (Cell Towers)
- Title 16, 17, and 18 of Camas Municipal Code (updates)
- Tree Program (Grant implementation)
- Park and Fire Impact Fee Coordination
- Downtown Parking District Program (mapping of parking zones)
- Design standards for residential developments
- Design Review Manual Update

# Housing and Growth

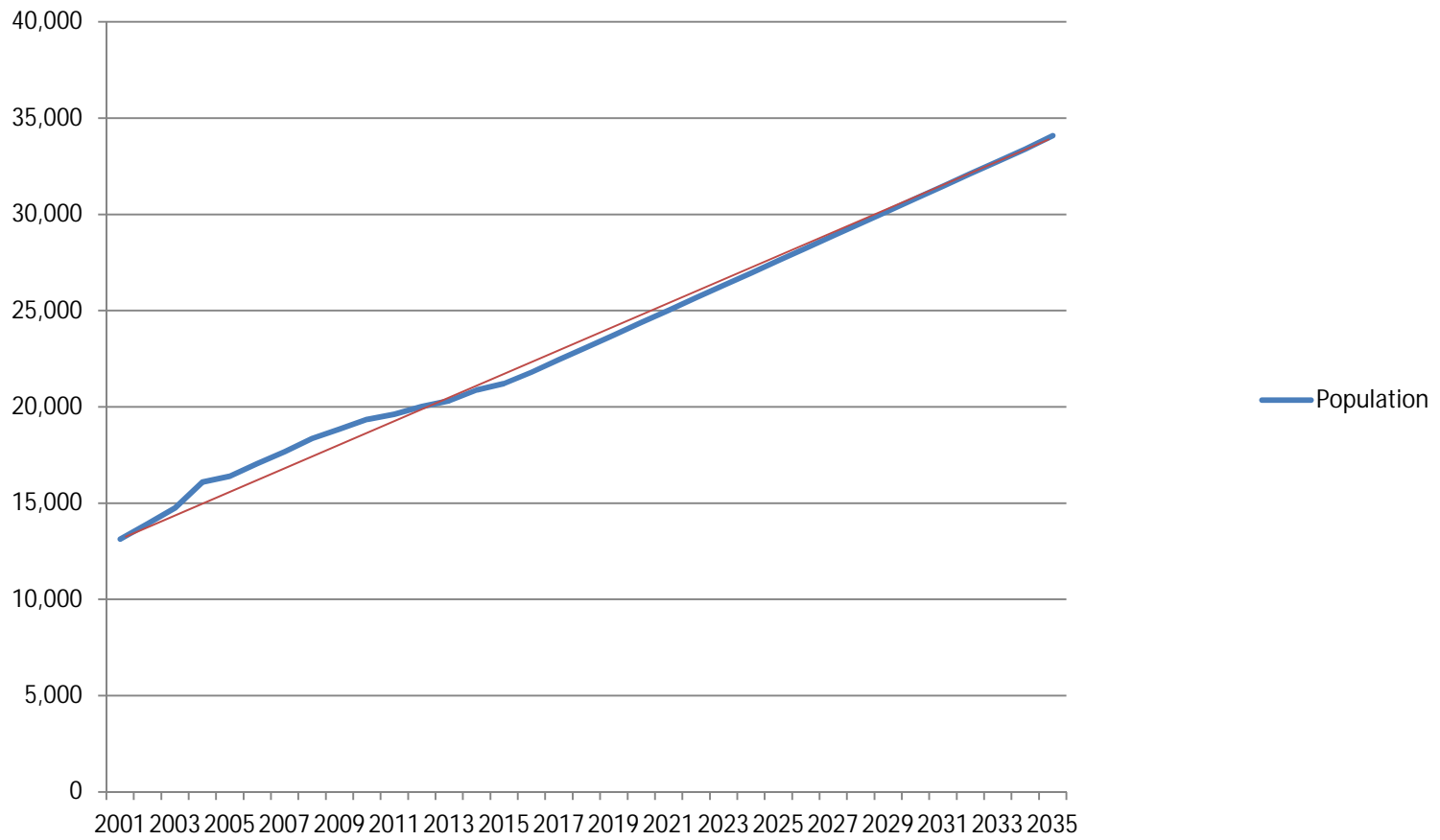
Dwelling Units 2001-2016



# Population 2001-2016



# Population Projection



# Camas Public Library

Planning Conference Update  
January 27, 2017



# Overview

- Initial observations
- First six months
- What's next
- Future possibilities



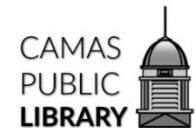
# Initial Observations

## STRENGTHS

- Dedicated staff
- Support network  
(Board of Trustees, City Council)
- Affiliate groups  
(Friends & Foundation, Second Story Gallery)
- Building
- Customer Service
- Community support
- Programs & Events



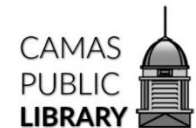
**19,690**  
kids, teens and  
parents at  
**youth events**  
in 2016







Add adults  
**931 programs**  
**25,858**  
attendees



# Initial Observations

## CHALLENGES

- Staff Morale
- Friends & Foundation in transition
- Partnership with FVRL
- Library Collection
- Technology
- Marketing

# Initial Observations

## CHALLENGES

### Partnership with Fort Vancouver Regional Library

#### *Current Partnership*

- Deliveries between libraries, courtesy of FVRL
- Patrons can request items to be picked up at any library branch, regardless of home location
- Register for a card at any branch, no matter where you live

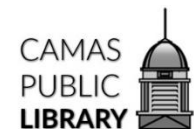
#### FVRL pays for:

- catalog system
- computer sign-up software
- print management software
- patron self-pay software

#### Camas pays for:

- No portion of these items, at present

**No current contract or agreement in place**



# Initial Observations CHALLENGES

# Catalog

**Camas Public Library**



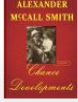

[Home](#) [Searching](#) [Find It Fast!](#) [New Titles](#) [Reading List](#) [My Account/Renew](#)

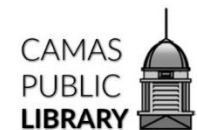
[Go Back](#) [Help](#) [New Search](#) [Next](#) [Kept](#) [Logout](#)

### Search Results

words or phrase "girl on the train" search found 97 titles.

Pages << 1 2 3 4 5 >>

- [Keep](#)  
[Place Hold](#)  
**GIRL ON THE TRAIN, THE (DVD) [videorecording] Widescreen ed.**  
On Order  
1 videodisc (ca. 112 min.) : sd., col. ; 4 3/4 in.  
2017  
No copies currently available. Place hold for next available copy. Copies on order  

- [Keep](#)  
[Place Hold](#)  
  
**Poems that make grown women cry First Simon & Schuster hardcover edition.**  
Holden, Anthony, 1947-  
808.81 POEMS  
xxi, 330 pages ; 23 cm  
2016  
No copies currently available. (Estimated wait is 27 days)
- [Keep](#)  
[Place Hold](#)  
  
**Chance developments First American edition.**  
McCall Smith, Alexander, 1948-  
MCCALL  
x, 240 pages : illustrations ; 18 cm  
2016  
7 copies available at North Bonneville Community Library, Stevenson Community Library, Three Creeks Community Library, Vancouver Community Library, The Mall Library Connection, and Yacolt Express Library
- [Keep](#)  
[Place Hold](#)  
  
**The singles game First Simon & Schuster hardcover.**  
Weisberger, Lauren, 1977-  
WEISBER  
341 pages ; 24 cm



# Initial Observations

## CHALLENGES

## Paying fines

The screenshot shows a web browser window with the URL <https://smartpay.fvrl.org/scripts/smartpay/smartpay.dll?finellogin&branchid=fvrlsp>. The page header includes the Fort Vancouver Regional Library District logo and the text "Gateway to Ideas, Information & Interaction". To the right, it says "Make library payments using SmartPAY". Below the header, there is a login instruction: "Log in with your library card number and PIN. Use your credit or debit card to complete your transaction. At this time we can only take MasterCard, Visa and Discover cards." The main content area features an "Account Login" form with a "Library Card Number" field containing "23277000505005" and a "Log In" button. At the bottom of the page, there is a link for "Español" and a copyright notice: "Copyright of Comprise Technologies Inc. 2012". The footer includes the "Powered by SmartPAY" logo.

# Initial Observations

## CHALLENGES

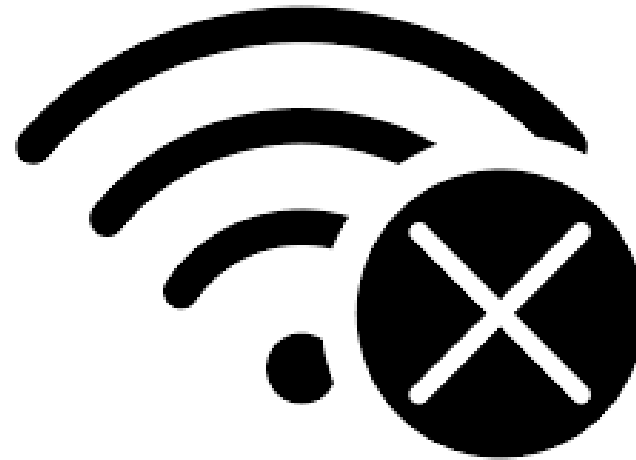
- Library Collection
  - Outdated materials & formats
  - Books in poor condition
  - Overcrowded shelves
  - Lack of funds



# Initial Observations

## CHALLENGES

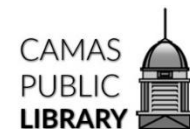
- Technology
  - WiFi available in limited areas of the building only
  - Services patrons ask for that we do not provide:
    - Wireless printing
    - Scanning
    - Faxing
  - Providing one-on-one computer help to patrons in study rooms



# Initial Observations

## CHALLENGES

- Marketing
  - Library lacks strong branding
  - No logo, no tagline
  - We need to modernize image in the minds of non-users





# First 6 Months

- Continued meeting with staff
- Created staff engagement team
- Helped Friends & Foundation craft new mission statement and sharpen focus
- Began negotiations with FVRL
- Started making improvements to the collection
- Began planning with IT Director for technology improvements
- Started laying groundwork for marketing

# First 6 Months

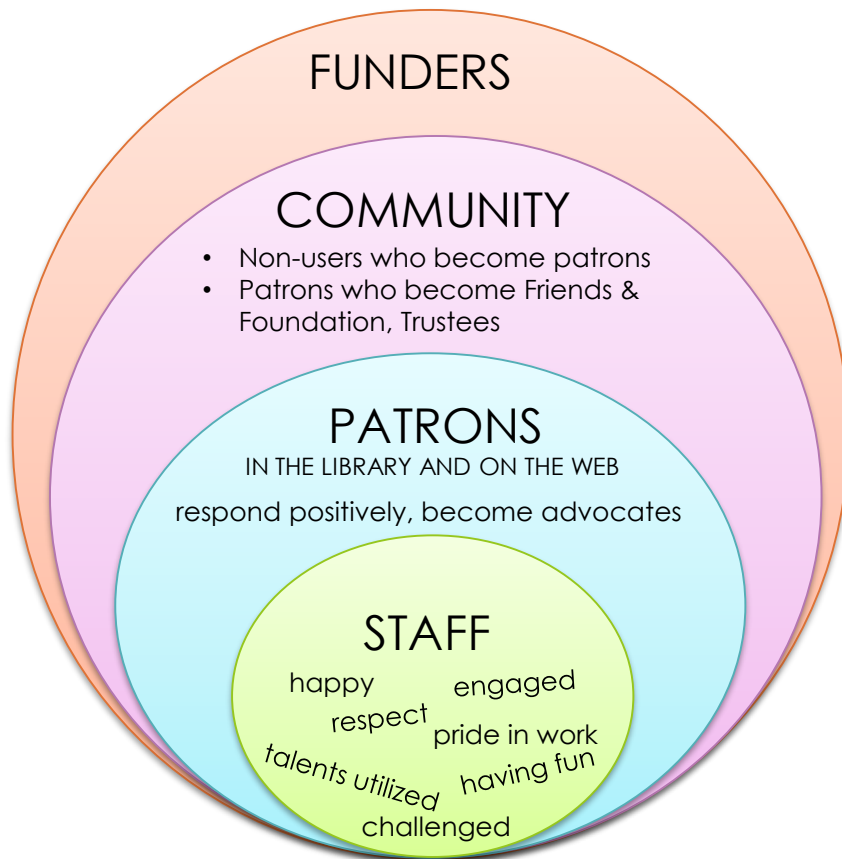
- Continued meetings with staff
  - One-on-ones
  - Staff meetings with different work groups
  - Asked a lot of questions
  - Listened



ORGANIZATIONAL  
RESTRUCTURE

# First 6 Months

- Created staff engagement team



Further  
the  
Library's  
mission

...to enrich lives, encourage self-education, and promote an enlightened citizenry by providing free access to diverse and expansive collections.

# First 6 Months

- Helped Friends & Foundation craft new mission statement and sharpen focus

## Plans for future

- Diversify revenue stream
  - Create website
  - Redesign logo
  - Begin fundraising
- [see: future possibilities]



# First 6 Months

Began negotiations with FVRL

- Deliveries between libraries
- Requests to/from any branch
- Register for a new card from any location

FVRL pays for:

- catalog system
- computer sign-up software
- print management software
- patron self-pay software

Camas pays for:

- % of catalog system
- contract separately for:
  - computer sign-up software
  - print management software
  - patron self-pay software

ORGANIZATIONAL  
RESTRUCTURE



# First 6 Months

- Started making improvements to the collection
- Created replacement plan for various collections
- Worked with vendor to set up pre-selected shopping carts
- Eliminated unnecessary standing order plans with publishers/vendors
- Weeded soiled, obsolete, and unused books and A/V, including collections of VHS and audiocassette
- Added new, non-traditional collections of mobile charging devices and “Lend-a-Friend” children’s book characters.
- Moved Large Print books to fireplace area, adding potted plants for a cozier atmosphere for our seniors.

# First 6 Months

- Started making improvements to the collection



Charge your phone or tablet with a mobile charging device



Large Print now in cozy fireplace area, with magazines and newspapers

# First 6 Months

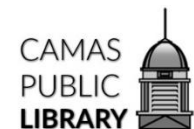
- Began planning with City's IT Director for technology needs
  - WiFi throughout the building in the works
  - Contracting separately from FVRL for print management, self-pay, etc. is **a positive opportunity to bring our patrons more options**





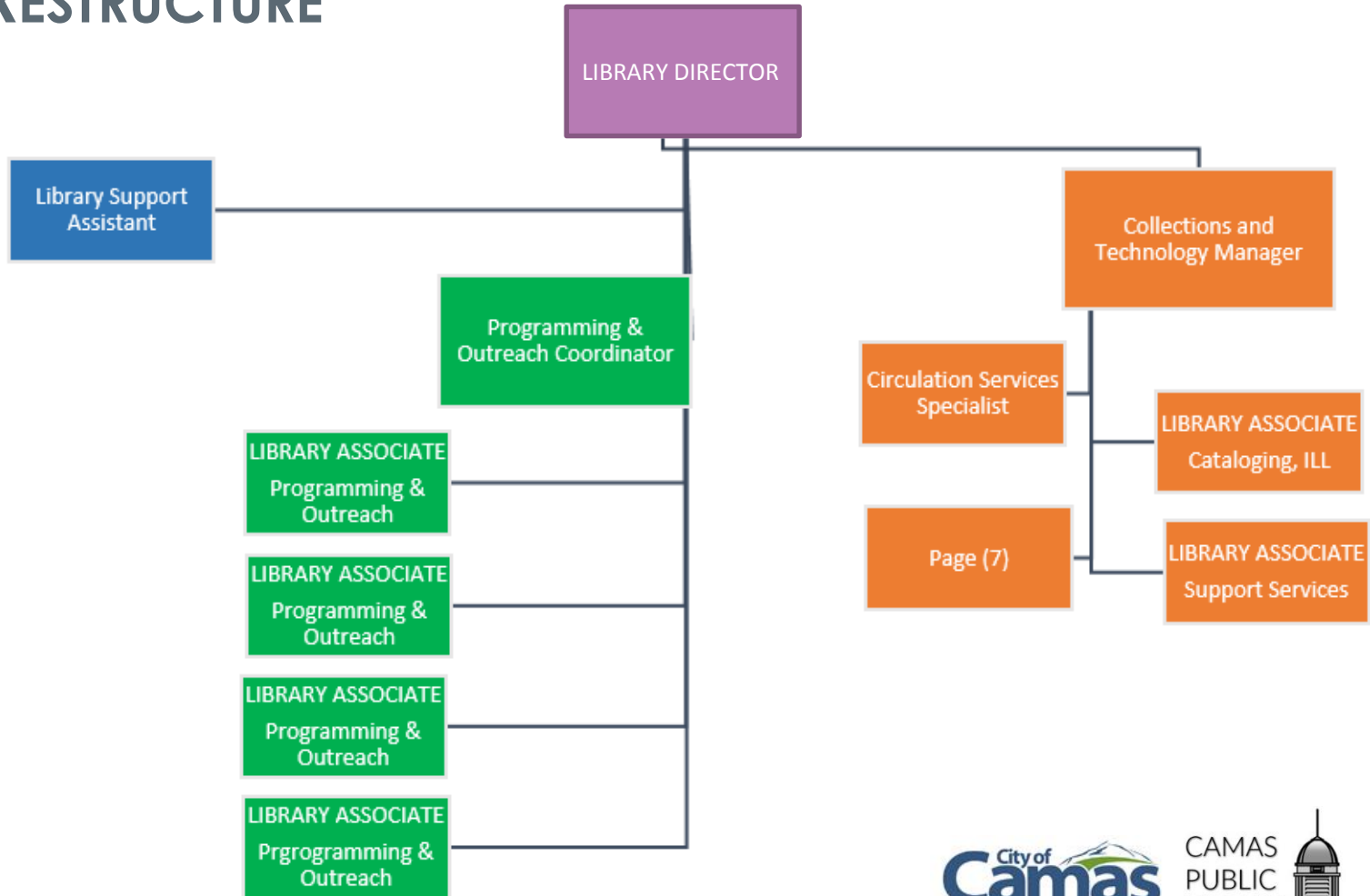
# First 6 Months

- Started laying the groundwork for marketing
- Marketing can't be done until you have a sense of who you are
- Strategic Planning will happen this year with Board of Trustees
  - Start with new mission, vision and values; work up to tag line, then logo
- Already changed job description of Library Support Assistant to incorporate some marketing and social media



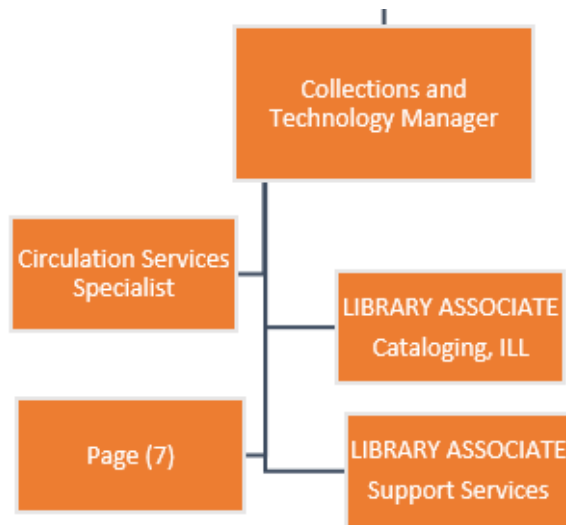
# What's Next

## RESTRUCTURE



# What's Next

## RESTRUCTURE



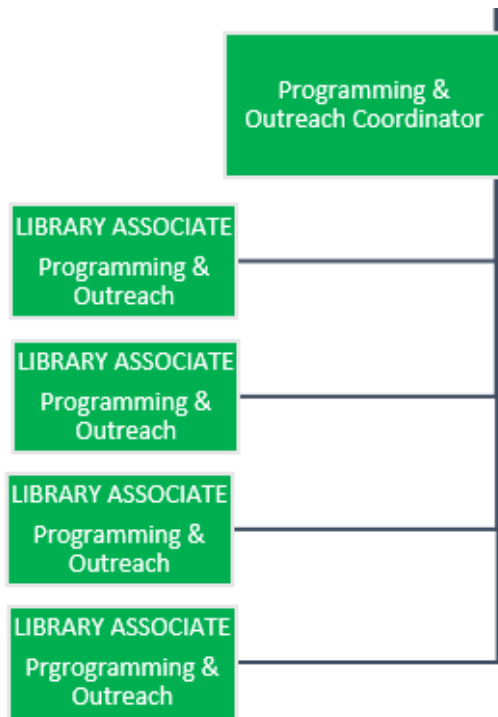
FOCUS:  
Information Delivery

Collections and Technology Manager will:

- Assist in negotiations with and be the liaison to FVRL
- Supervise the department that specializes in information delivery
- Manage all collections, print and digital
- Partner with the City's IT Department to bring new technologies to the Library and Camas community

# What's Next

## RESTRUCTURE



FOCUS:  
People of Camas

Programming & Outreach Coordinator will:

- Lead team of Library Associates to plan events both in the Library and throughout the community
- Partner with community agencies to provide service to patrons of all ages who may not have resources to visit the Library in person (Head Start, senior centers, etc.)
- Work with Library's affiliate groups to seek fundraising/grant opportunities
- Coordinate volunteers

# What's Next

- Next 6-12 months
  1. Hire Collections & Technology Manager
  2. Complete agreement with FVRL
  3. Strategic Plan

**Always: Engage the community**

# Future Possibilities

- Pop-Up Libraries
- Joint-Use Partnerships
- 24/7 Access Library
- Service by appointment
- Early Learning Center
- Crowdsourcing

# Future Possibilities

- Pop-Up Libraries



# Future Possibilities

- Pop-Up Libraries





# Future Possibilities

- Pop-Up Libraries

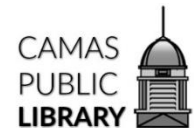


# Future Possibilities

- Joint-Use Partnerships

Combine with a school, park, or community center to:

- Promote unity within community
- Expand at a lesser cost
- Allow both parties to increase use through cross promotion



# Future Possibilities

- 24/7 Access Library



# Future Possibilities

- Service by appointment



# Future Possibilities

- Early Learning Center



# Future Possibilities

- Crowdsourcing

## Technology

- Social media
- Social catalog

## In the Library

- Volunteers offering expertise in everything A-Z

## In the Community

- Advocacy Army
- Pledge to sign up a new card member



Volunteer art, music teacher

Opportunities and ideas are endless to bring **community** together.

# Questions



# NORTH SHORE SEWER (AND WATER) TRANSMISSION SYSTEM PROJECT

City Council Planning Retreat

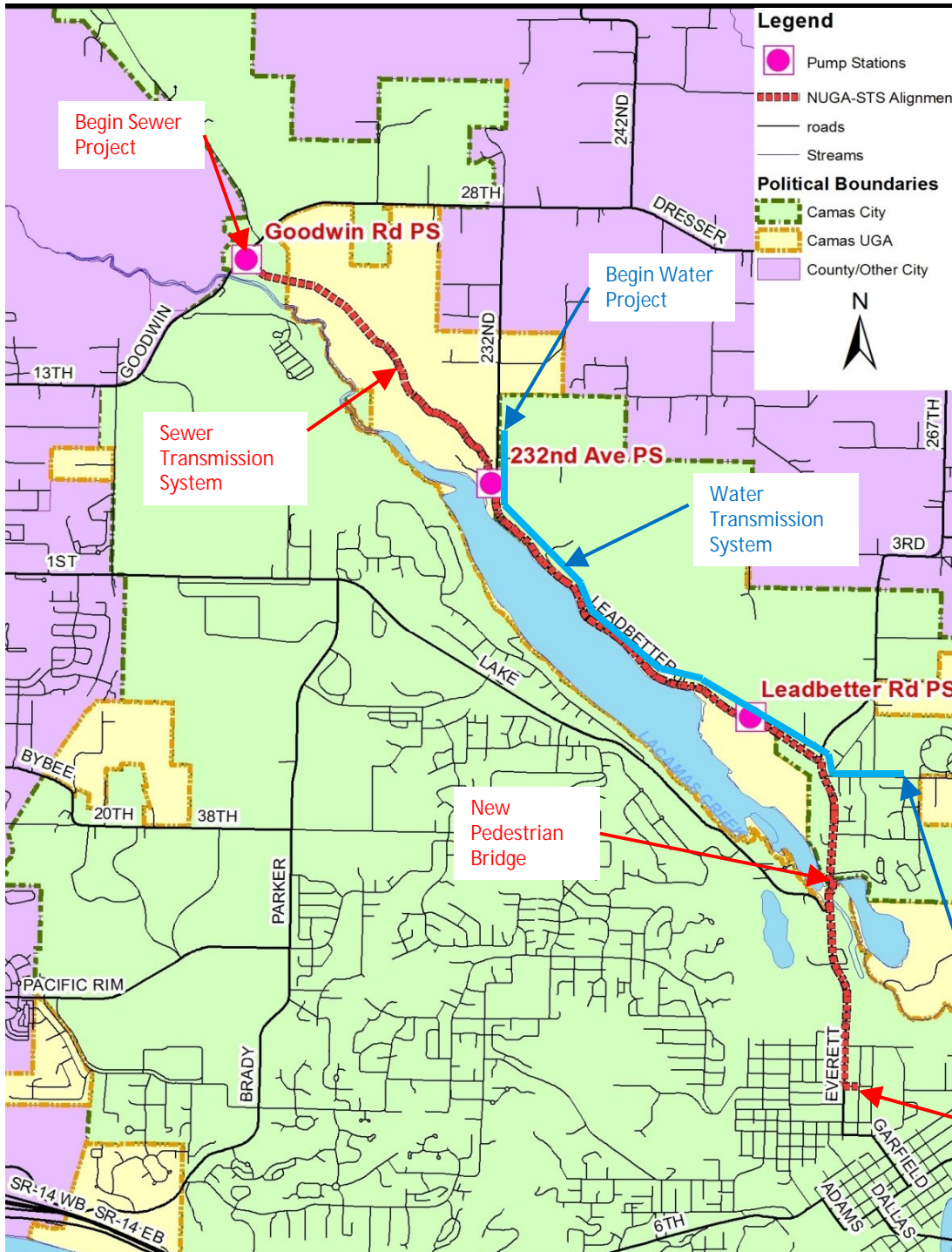
Jan. 27, 2017



# Project Overview

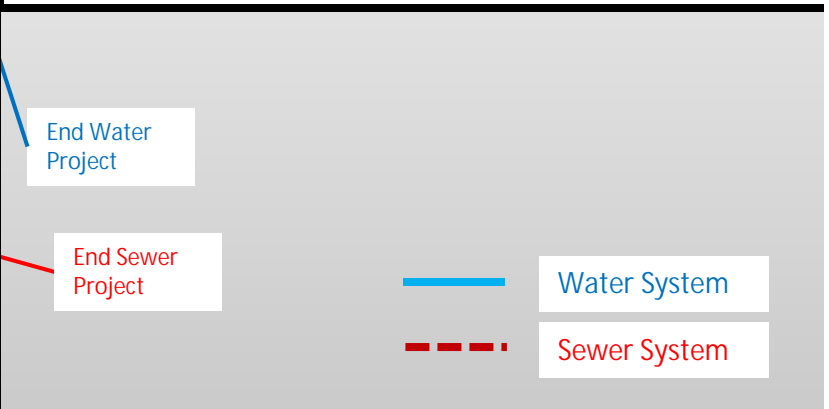


- ❑ Initial project a large scale Sewer Transmission System to serve North Shore area, including Green Mountain
- ❑ Added Water Transmission System to serve new Lacamas Heights Elementary School Property in partnership with Camas School District
- ❑ Schedule: Bid February 2017; Construction through May 2018.
- ❑ Significant impacts to traffic on Everett (SR 500), Leadbetter, and 43<sup>rd</sup> Avenue.
- ❑ Total Construction Cost = \$12 million



## Project Overview

- Sewer Transmission System
  - 3 pump stations
  - Total length of ~4.5 miles
  - Pedestrian bridge at Lacamas Lake/Round Lake channel
  - Total Const Cost = \$10.2 Mil
- Water Transmission System
  - 12-inch Waterline
  - Total length ~2.3 miles
  - Total Const Cost = \$2.0 Mil



# Project Sequencing

Segment	Location	Completion Timeframe	Contractor Restrictions
Everett Street	Leadbetter Road to Lacamas Park	Complete By August 31, 2017	Cannot work before 8 AM or between 2 and 3:30 PM.
Everett Street	Lacamas Park to 19 <sup>th</sup> Avenue	Complete by August 31, 2017	Cannot work before 8 AM or between 2 and 3:30 PM.
New Lacamas Park Pedestrian Bridge	Lacamas Park	Start work after September 9, 2017	Must be completed in 21 days
43 <sup>rd</sup> Avenue	Everett to Garfield	Complete by August 31, 2017	Cannot work before 8 AM or between 2 and 3:30 PM.
Leadbetter Road	Adams Street to NE 9th Avenue	After Fall 2017 Lacamas Lake Drawdown by GP	Can keep full closure and Lake drawn down until project completed.

Start after Fall 2017 Lake Drawdown. Full closure in 2 sections – Adams to Boat Launch; Boat Launch to 9<sup>th</sup>.

One lane closures. No work during School commute times. Complete by 8/31/17.

One lane closures. No work during School commute times. Complete by 8/31/17.

Start after 9/9/17. Complete in 21 days.

